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TEKTITE II  
HABITABILITY RESEARCH PROGRAM  
DAY-TO-DAY LIFE IN THE HABITAT

CASE FILE  
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March 30, 1972

Prepared under Contract No. NAS 8-25100 by  
AIRESEARCH MANUFACTURING COMPANY  
A Division of The Garrett Corporation  
Los Angeles, Calif.

for Marshall Space Flight Center

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

# TEKTITE II HABITABILITY RESEARCH PROGRAM DAY-TO-DAY LIFE IN THE HABITAT

By

D. P. Nowlis, Ph.D,

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## FOREWORD

This report Volume II presents transcriptions of recorded observations of crew members' activities made during one of the Tektite II Habitability Assessment Program missions. It is prepared to supplement the empirical observations presented in Volume I, AiResearch Report No. 71-6192-1, which describes the background, methods, procedures, and results of an empirical attempt to explore the habitability of an isolated undersea research and residence quarters.

Distribution of this volume of this report is strictly limited to qualified professionals engaged in on-going research in environmental psychology. These professionals are asked to treat the contents of the volume with care. Under no circumstances should this material be used in any way which might abrogate the responsibility of the author to preserve the anonymity of the research subjects. No reproduction or reprinting of this material is allowed.

## INTRODUCTION

This document was prepared under Contract No. NAS-8-25100 by AiResearch Manufacturing Company, a division of The Garrett Corporation, Los Angeles, California, for Marshall Space Flight Center, National Aeronautics and Space Administration. The contract monitor was Mr. H. Watters.

Because it is widely agreed that the field of environmental psychology is quite young, it was determined that a sample of recorded observations from a representative mission should be included in our report on Tektite to give the professional reader a better feeling of normal day-to-day life in the isolated habitat. Names of the crew members have been replaced with numbers and some off-color words have been replaced by more acceptable slang; some remarks have been omitted that might lead to easy identification of the subjects. Otherwise, the following pages are exactly as transcribed during the late afternoons and the evenings of the mission.

## DAY 1

To begin this mission the crew dove off the dive platform at noon today, arriving in the habitat one-half hour later. Our observations of them begin at 5 p.m.

- 5:00 p.m. All five aquanauts are preparing together for a dive; they want to "get the lay of the land". The watch director asks to speak to No. 1 on the Bogen telephone, which is in the crew quarters. No. 1 asks if he can use the TV screen in the crew quarters to watch the watch director while talking; the others are talking in the bridge about their planned dive.
- 5:07 No. 4 asks for a better picture on the TV from topside.
- 5:12 No. 5 leafs through a magazine, No. 3 through a book on the fish of the region.
- 5:15 The aquanauts are still trying to decide about their dive. After glancing through their reading materials and not saying anything they are now back to figuring things out. No. 4 suggests following the sewer line out from the habitat. No. 1 has returned from the crew quarters.
- 5:20 No. 2, No. 5 and No. 4 go to the wet room to prepare for a dive.
- 5:21 No. 3 joins the others in the wet room, but he is not preparing to dive.
- 5:25 No. 1 puts on an audio cassette of the Beatles singing "On Our Way Home." No. 1 is in the bridge, but then he goes to the crew quarters. The others are in the wet room. No. 1 is organizing his personal gear in the crew quarters, and gets out some writing material.
- 5:30 No. 3 is going back and forth getting equipment together in the crew quarters and the wet room. No. 5, No. 4, and No. 2 are suiting up in the wet room. No. 1 is in the crew quarters arranging personal gear on his bunk. The music in the bridge can also be heard in the crew quarters.
- 5:40 No. 1 moves to a desk in the bridge, putting some of his things there.
- 5:41 No. 1 joins the group in the wet room; he stands and watches the others.
- 5:45 No. 2 stands beside him. Only two of the safety pingers work, so it looks as if only two divers can go. No. 4 looks disgusted. He then makes an arrangement with the watch director to carry a pinger with a defective switch in his hand, so that three divers can go

on the dive as planned. (NOTE: The divers must carry balloons, strobe lights and pingers for safety.)

5:55 No. 4 is the first in the water.

5:55 No. 1 returns to the bridge and puts on a new cassette, a Mozart violin concerto.

5:58 Everyone is now out on the dive except No. 3 and No. 1. No. 3 is fixing his sampler in the wet room.

6:02 No. 3 has just been notified he can leave the habitat on the hooka system. No. 1 will watch him. No. 1 is now waiting in the bridge to watch No. 3 when he goes out. (NOTE: The hooka system provides air via an umbilical tube and mouth piece. It is primarily for safety in case the habitat should flood, but it also can be used for work close to the habitat, within reach of the umbilical.)

6:03 No. 1 is looking over his writing material, waiting for No. 3, and still listening to the Mozart violin concerto.

6:10 No. 3 is now going out on the hooka system. No. 1 tries to watch him from the bridge on the outside TV camera. He can't get the picture, so instead he goes to the wet room to watch from the viewport there.

6:15 No. 1 is watching No. 3 through the viewport; he is the only one in the habitat.

6:17 No. 3 hands a basket to No. 1 up through the well, then No. 3 goes out for more.

6:25 No. 3 hands more things up to No. 1, then he goes out again.

6:30 No. 3 is now back in the habitat. No. 1 goes back to the bridge, and when he goes there he immediately puts on the violin concerto again (the other side of the cassette).

(We have just learned a strobe has been fired by one of the divers in the water.)

No. 3 begins working with his equipment in the wet room. No. 1 is listening to music and watching the two-way TV in the bridge. Topside asks No. 3 to turn the volume on the pinger-receiver up; a pinger is definitely sounding.

6:35 No. 4 appears in the well. The volume on the pinger receiver is so loud he and topside can't hear anything.

- 6:39 No. 1 leaves the bridge momentarily to confer with No. 4 in the wet room, then he returns to the bridge. He still is listening to the concerto, watching the two-way TV, and writing. No. 3 is still working in the wet room. All divers are OK, and the dive is continuing in the water. Apparently the pinger was turned on by accident. No. 4 is back with the other divers.
- 6:45 No. 1 is now reading magazines, and listening to Vivaldi in the bridge.
- 6:50 No. 1 goes to the crew quarters. No. 4 returns to the wet room. No. 1 pulls out a bun, a plate, and spends 4 minutes looking for jam.
- 6:51 No. 4 forgot his pinger. He left it outside, and will bring it in tomorrow.
- 6:54 No. 1 is opening a can of juice. No. 4 is in a long conversation with topside from the wet room about pingers. The other two aquanauts who were on the dive are now swimming near the wet room viewport. No. 3 is waving and pointing through the viewport of the wet room, having fun with them.
- 7:01 No. 1 is cleaning up his dishes. No. 4 is looking for something to help No. 3 make a piece of research equipment to put outside to attract various types of marine fauna.
- 7:04 No. 1 is now arranging personal gear again on his bunk. No. 3 is still trying to put together the outside equipment for attracting fauna, and No. 4 is helping him make it. The other two divers are still out, doing some pleasure diving.
- 7:07 No. 2 and No. 5 return.
- 7:08 No. 1 goes to the cupola, then he goes to the leisure area in the bridge (the area where books, TV films, games, magazines, drawing materials, etc. are stored).
- 7:11 No. 1 puts a new cassette in the tape recorder; it doesn't play. He returns to the leisure area, then he goes to read in front of the TV; he spends more time watching the two-way TV than reading while there.
- 7:15 No. 4 goes outside alone in the water to emplace the equipment for No. 3. No. 2 is drying off, No. 5 is unsuiting, No. 3 is working on equipment in the wet room, and No. 1 is reading and spending a fair amount of time just watching the two-way TV in the bridge.
- 7:20 No. 1 goes to the wet room and gets a towel to dry his hands. No. 1 and No. 2 talk, and No. 3 and No. 5 talk, all in the wet room.

- 7:21 No. 4 appears in the well and asks some questions about the working of the outside equipment of No. 3.
- 7:22 No. 4 goes back out in the water.
- 7:23 No. 1 goes to his bunk in the crew quarters; all is quiet.
- 7:24 No. 4 returns from the water for good. No. 1 is fixing some equipment while in his bunk. The situation continues. In the wet room No. 3 is working, No. 5 is standing around, No. 4 is dressing, and No. 2 is tinkering with equipment that is sitting on a small bench placed in his bunk.
- 7:35 No. 5 is watching the fish swimming in the well. He then does some chatting with No. 2.
- 7:38 No. 1 is on his bed and he closes the curtains to take a nap. The other four aquanauts are in the wet room; No. 4 and No. 3 are still working out arrangements for No. 3's gear. No. 2 is tinkering with his diving equipment, and No. 5 is watching the fish and the other aquanauts.
- 7:43 No. 4 goes to the crew quarters. He checks out what food is available for supper, then gets some vegetables from the freezer in the engine room. No. 3 watches him in the engine room. No. 2 goes to the bridge and walks around. No. 4 goes to the stove in the crew quarters. No. 5 is still working in the wet room. No. 3 returns to the wet room.
- 7:49 No. 5 goes to the cupola, then he returns to the wet room. No. 3 goes to the crew quarters, No. 2 also goes to the crew quarters, No. 5 again goes to the cupola. No. 3 goes to the bridge. No. 2 is helping No. 4 with the cooking.
- 7:51 No. 3 is looking for his Polaroid camera. He returns to the crew quarters. Then No. 3 again goes to the bridge. He watches the tarpon swimming by the viewport and tries to go to the cupola.
- 7:53 No. 5 comes down, and No. 3 goes up into the cupola. No. 5 goes to the crew quarters. He has been watching the tarpon from the cupola.
- 7:55 No. 5 states: "Those things go by like blimps."
- 7:57 No. 5 watches the others. No. 4 is putting out plates for supper. No. 5 asks for a blanket for making up his bed. No. 4 looks for one, and there are no blankets to be found.
- 7:59 No. 3 comes down from the cupola, and goes to the crew quarters, joining the others.



- 8:01 No. 5 is fixing his bunk without a blanket. No. 4 is cooking supper. No. 2 is watching. No. 3 is watching the video screen in the bridge.
- 8:05 No. 3 goes to the crew quarters.
- 8:06 No. 3 says he likes the way the present watch director talks: clearly and distinctly. No. 4 finds the cooking pots are too small, but he finds more stored behind a panel in the wall.
- 8:08 No. 4 and No. 2 cook. No. 5 lies in his bunk and rests. No. 3 watches the others and chats with No. 5. No. 1 is sleeping.
- 8:11 No. 3 goes to the cupola. No. 5 gets up, stands beside his bunk, and works on some equipment.
- 8:16 No. 3 comes down from the cupola and goes to the wet room. He watches fish through the wet room viewport, then looks over some of his equipment.
- 8:18 No. 4 has to change the Baralyme because the carbon dioxide level in the habitat is getting too high. He has just been notified of this from topside. He instructs No. 2 on how to continue with the cooking, then goes to the engine room. No. 2 cooks. (NOTE: Baralyme, or barium hydroxide, is used to filter carbon dioxide from the habitat air.)
- 8:21 No. 2 tries to get the TV over the stove to come on while he is cooking. (NOTE: They are frying food and are not supposed to.)
- 8:25 No. 5 is still standing in the crew quarters, working at things in his bunk. (No. 3 and No. 1 have chosen bunks on one side of the crew quarters, No. 1 in the lower, No. 3 in the upper, while No. 5 is in the upper on the other side and No. 2 in the lower. No. 4 will sleep in the bridge.)
- 8:27 No. 5 is now in his bed, working; it looks awkward. No. 3 leaves the wet room, and watches No. 4 do the Baralyme change in the engine room.
- 8:33 No. 3 goes to the crew quarters. He checks the stove. Dinner is cooked. They are waiting for No. 4. No. 3 puts on a cassette by the Beatles in the crew quarters. Then he fixes up his bunk. The cassette is on at low volume.
- 8:37 No. 5 gets out of his bunk, then he goes to watch the two-way TV in the bridge.
- 8:38 No. 5 talks to topside about the fact that there are no pillowcases. No. 3 goes to the desk in the bridge. No. 5 also sits in the bridge. No. 5 watches No. 3 work. No. 2 is tinkering with the cooked food in the crew quarters.

- 8:43 No. 2 goes to the engine room and watches No. 4 change the Baralyme. (He says nothing about the food being ready, but this seems to be his way of saying that it is.) Then he goes to the bridge. No. 5 is just walking around the bridge. No. 5 looks at the two-way TV for awhile. No. 3 goes to the crew quarters.
- 8:50 No. 4 goes to the bridge. He complains about the fact there are no threads on the Baralyme bolt.
- 8:55 No. 2 goes to the crew quarters, and talks with No. 3. No. 3 goes to the bridge. No. 4 is trying to fix the holder for the Baralyme. A new audio cassette is played by Ravi Shankar and Yehudi Menuhin. No. 4 asks No. 5 to watch him do the Baralyme change so he'll know how to do it also.
- 8:58 No. 3 goes to the engine room too. No. 3 and No. 5 watch No. 4. Then No. 3 goes to the cupola. No. 2 lies on No. 3's bunk in the crew quarters.
- 9:01 No. 2 shakes his head, probably because the food is getting cold. He gets out of No. 3's bunk, and gets a tape recorder.
- 9:03 No. 4 returns to the bridge and talks with topside about some personal affairs. No. 5 is waiting in the engine room.
- 9:04 No. 3 comes down from the cupola. No. 5 goes up. No. 3 goes to the desk in the bridge to work. No. 2 is making up his own bed.
- 9:08 No. 2 lies on his bunk. No. 4 is back in the engine room trying to fix the Baralyme. No. 3 is still on the bridge and No. 5 is still in the cupola.
- 9:10 No. 4 asks No. 3 for some tweezers. No. 3 gets the tweezers, gives them to No. 4, and then goes to the bridge.
- 9:13 No. 5 is still in the cupola.
- 9:15 No. 5 comes down to the engine room. He helps No. 4 with the Baralyme. No. 3 is looking through the leisure books. No. 2 puts on a jazz cassette in the crew quarters. He listens while he lies on his bunk.
- 9:18 No. 2 checks the oven.
- No. 3 starts playing the ukulele in the bridge.
- No. 5 is wandering around. He goes briefly to the wet room, then back to the engine room.

- 9:20 No. 2 gets off his bunk. He goes to the bridge and looks at a book. He thumbs through the pages. Meanwhile No. 5 is watching No. 4 in the engine room.
- 9:22 No. 2 goes to the engine room again and watches No. 4. No. 5 and No. 4 go to the wet room to look for something to hold on the Baralyme cover. No. 3 is still strumming. No. 2 is looking at the library. Then he goes to the viewport in the engine room. Then he goes to the head.
- 9:25 No. 2 goes to the bridge. He looks at a book on fish and thumbs through it.
- 9:29 No. 2 goes to the crew quarters. He checks the oven again. Then he lies on his bunk for a rest.
- 9:32 No. 5 goes to the wet room. He is looking for something with which to help No. 4 with the cover. He returns to the engine room after getting a bolt out of the dumb waiter.
- 9:38 No. 3 stops strumming the ukulele and goes to the crew quarters. Then he returns to the bridge.
- 9:39 No. 5 in the engine room suggests: "Food now, eh?" No. 4 goes to the head, and washes and wipes his hands. No. 5 goes to the bridge. No. 3 and No. 5 talk in the bridge.
- 9:41 No. 3, No. 4, and No. 5 go to the crew quarters. No. 2 gets out of his bunk.
- 9:44 No. 4 serves the food. They do not bother to open the table, but leave the leaves down. (No. 4 is the only one without a shirt.)
- 9:48 No. 4 opens his side of the table. It is a very quiet meal. (Note that No. 1 is still napping.)
- 9:58 There is some discussion of leafy green vegetables between No. 4 and No. 5.
- 9:59 No. 2 puts a jazz recording of "Favorite Things" on the tape recorder.
- 10:08 There is some talk about the idea of telephone calls to one's family.
- 10:10 No. 2 sits on his bunk. No. 4 and No. 5 talk about gold toothpicks and dental floss.
- 10:14 No. 4 asks No. 3 about his trip coming to the Virgin Islands. There is little response. No. 4 talks about a friend of his who canoed near No. 3's home. There is no response.

10:27 There is some talk about killing tarpon with spear guns. (Large tarpon swim beside the habitat every night.) No. 2 does not enter into the talk, No. 3 does a little, No. 4 some, and No. 5 a fair amount. The subject switches to cameras.

10:30 No. 4 goes to the bridge to get a camera. No. 5 and No. 3 clear the table. No. 2 puts away the chairs. No. 4 is called by topside about a key to the freezer. He talks with the topside watch director from the bridge.

10:31 No. 2 puts on some more jazz.

10:32 No. 4 checks the Baralyme holder in the engine room.

10:33 No. 4 gets his Polaroid camera and goes to the crew quarters to take a picture of the aquanauts with toothpicks. There is some laughter over the picture.

10:36 No. 5 goes to the head.

10:39 No. 4 cleans up; No. 2 watches; No. 1 wakes up; No. 5 goes to the bridge and leafs through a magazine; No. 3 also goes to the bridge; more jazz is put on the tape recorder.

10:42 No. 2 is cleaning up; No. 1 and No. 4 talk in the crew quarters. No. 5 leafs through his magazine in the bridge. No. 3 is now in the cupola.

10:44 No. 3 comes back to the bridge.

10:45 No. 1 goes to the bridge and asks topside for the weather report. No. 5 and No. 3 go to the crew quarters. No. 4 cleans the table. No. 2 cleans the dishes. No. 3 cuts himself on the floor. No. 1 works at a desk in the bridge.

10:48 No. 1 and No. 4 go to the head. No. 2 is cleaning up. No. 3 is fixing his bunk. No. 5 is in his bunk.

10:50 No. 1 and No. 4 have some conversation in the engine room.

10:55 No. 5 gets out of his bunk and goes to the bridge.

10:58 No. 2 goes to the wet room. No. 3 is reading in his bunk.

11:00 No. 4 gets the habitability forms. He gives some to No. 1 and No. 5 on the bridge. No. 1, No. 4, and No. 5 look at their forms. No. 3 is still in his bunk. No. 2 is in the cupola.

11:03 No. 2 goes to the bridge, and No. 4 gives him his habitability forms.

11:04 No. 1 puts on some classical music by Vivaldi.

11:05 No. 4 does his form. No. 2 works on his, and No. 1 does his. (All three are on the bridge). No. 5 works on his in the crew quarters.

11:10 No. 2 goes to his bunk to work on his habitability form further.

11:18 No. 4 fixes his wobbly chair, then goes back to his forms.

11:21 No. 1 goes to the head. No. 3 is asleep.

11:22 No. 2 goes to the bridge, and flips through a copy of Playboy.

11:25 No. 4 finishes his forms. He works at something else at the desk.

11:28 No. 1 comes out of the head. No. 2 asks him a question about the form. They work together on it in the bridge.

11:29 No. 4 cleans up the Baralyme in the engine room.

11:32 No. 2 thumbs through another magazine. No. 1 works on his forms.

11:35 No. 2 goes to his bunk with his forms. Then he comes back to the bridge, then back to the bunk. He works on his forms.

11:40 No. 2 fixes his bed. No. 5 goes to bed.

11:43 No. 2 goes to bed.

11:44 No. 1 adjusts the TV pictures in the bridge.

11:47 No. 4 goes to the wet room.

11:53 No. 4 goes to the engine room.

11:54 No. 4 goes to the bridge.

11:55 No. 1 goes to the crew quarters. He turns off the lights. Then he picks up the tape recorder, goes to the wet room, and takes a shower in the dark. No. 4 goes to the crew quarters, and snacks in the dark.

12:02 No. 1 goes to the cupola.

12:07 No. 1 goes to the bridge and works at the desk.

12:09 No. 4 goes to the bridge.

12:10 No. 1 goes to the crew quarters and goes to bed. No. 4 goes to the engine room, then to the wet room and works. He turns on the bilge pump.

12:21 No. 4 goes to the crew quarters for a little more of a snack.

12:24 No. 4 goes back to the wet room. (He also works in the wet room with the lights out. There is just some indirect light from the engine room).

12:35 No. 4 is still working.

Our observations for the day end.

## DAY 2

- 4:45 p.m. No. 3 is working in the wet room. No. 5 is in the bridge working in front of the two-way TV, looking up at it fairly regularly. No. 1, No. 2 and No. 4 are in the water.
- 5:00 No. 4 returns to the wet room. No. 1 and No. 2 are still out.
- 5:04 No. 5 goes to the engine room and talks to No. 4 in the wet room.
- 5:10 No. 5 goes to the crew quarters. He tinkers with gear on his bunk, then he goes back to the bridge and then over to the wet room. No. 3 is still working there. No. 4 is unsuiting. No. 5 is asking No. 4 about his pinger, which is still lost.
- 5:15 No. 3 goes to the bridge, sits at a desk and does some writing.
- 5:16 No. 1 is in the wet room. No. 2 appears in the well. No. 1 and No. 2 start to unsuit. No. 5 is just standing around, tinkering with equipment in the wet room.
- 5:22 No. 5 goes to the bridge. He looks at the two-way TV and talks with topside.
- 5:24 No. 5 goes to the crew quarters.
- 5:26 No. 1 jokes with No. 4 in the wet room.
- 5:28 No. 5 goes back to the wet room and inspects the pinger tracer with which No. 4 has been attempting to locate the lost pinger.
- 5:29 No. 3 goes to the wet room, and works at a shelf. No. 2 is drying off after a shower. No. 4 is tinkering with the pinger receiver. No. 1 goes to the shower. No. 5 is chatting again with topside over the audio com from the wet room.
- 5:34 No. 4 talks with topside about the still missing pinger, and the tracer they are trying to use to locate it. No. 3 goes back to the bridge to work.
- 5:36 No. 4 goes to the bridge to talk more with topside (using the two-way TV now).
- 5:37 No. 3 goes to the tunnel. No. 4 asks topside about the search for the pinger by the topside divers. No. 5 is helping a research doctor topside organize some sample bottles. He goes to where the bottles are stored in the engine room, and then comes to the bridge to talk with the researcher. No. 1 and No. 2 are dressing in the wet room.

- 5:38 No. 1 goes to the crew quarters and puts on an audio cassette (of the singing of Aretha Franklin) at high volume. No. 5 continues to talk with the topside researcher, then No. 5 chats with No. 4 in the bridge. No. 3 is now working in the wet room. No. 2 is wandering about in the wet room. No. 1 gets some food out for himself in the crew quarters.
- 5:41 No. 4 goes to the wet room; No. 5 also goes, and they begin suiting up. No. 3 also begins suiting up. No. 2 is watching. No. 3, No. 4, and No. 5 are going to look for the lost pinger on this dive, using the pinger tracer.
- 5:44 No. 2 gets a camera and puts it around his neck. He wanders to the bridge, then the crew quarters. He takes the camera off his neck and slicks his hair down. No. 1 ignores him. No. 1 is washing the dishes. Finally No. 1 and No. 2 talk a bit, while No. 1 continues to wash. No. 2 goes to the view port. No. 2 is playing with his camera. Meanwhile, in the wet room, No. 3 is waiting for No. 4 and No. 5 to finish preparing for their dive.
- 5:50 No. 1 puts on the Beatles' "Hey Jude" cassette. No. 1 and No. 2 talk. No. 2 snacks from the refrigerator. He puts out two plates on the table.
- 5:55 No. 1 puts on the Beatle's cassette very loud. He sings along with it, and talks with No. 2. There is some laughing.
- 5:59 No. 3 and No. 5 enter the water.
- 6:00 No. 4 is in the water. No. 1 and No. 2 are still in the crew quarters, snacking and chatting.
- 6:02 No. 2 goes to the wet room. He hands some orienting directions and a map on waterproof slates to an aquanaut in the water.
- 6:03 No. 2 returns to the crew quarters.
- 6:04 No. 2 turns up the cassette of the Beatles. No. 1 turns it off, and goes to the bridge. Then No. 2 also goes to bridge. No. 1 puts a movie on the TV. They turn the lights off in the bridge. The film they are playing is "The 50 Best Commercials of 1969." A Japanese soap advertisement with young children marching about naked evokes much laughter.
- 6:09 They put the lights back on. No. 1 plays with the TV, then looks for a new film. No. 2 waits while No. 1 fiddles with the film reel.
- 6:14 The film of the "50 Best Commercials" is back on, with laughter from No. 1 and No. 2.



- 6:16 No. 1 goes to the crew quarters. He puts on some deodorant, then goes back to the bridge.
- 6:24 No. 1 again goes to the crew quarters. Then No. 2 goes to the crew quarters. No. 1 gets a snack and returns to the bridge. No. 2 tinkers with food in the crew quarters. No. 1 goes to the wet room; he is looking for something. He comes back to the crew quarters, and gets some coffee. (NOTE: He can watch the TV film from the crew quarters). No. 1 and No. 2 tinker with something on No. 1's bed. No. 1 then tinkers with some food.
- 6:25 No. 2 takes a picture of No. 1 cooking. No. 1 finishes his coffee, goes to the bridge and turns off the TV tape; then he returns to the crew quarters and puts on the cassette by the Beatles again.
- 6:30 That cassette ends. No. 2 puts on another Beatles cassette. No. 1 and No. 2 both are fooling with their cameras.
- 6:32 No. 1 takes a picture.
- 6:32 No. 4 returns from his dive, appearing in the well. No. 2 goes to the wet room. No. 4 says he can't work the pinger tracer. No. 1 goes to the wet room and there is talk about pingers and the tracer. No. 1 goes back to the bridge in the dark. No. 2 hands things down to No. 4 in the well.
- 6:38 No. 4 comes up out of the water, then goes back in.
- 6:39 No. 1 talks to topside, saying he found his missing underwater strobe among his personal gear. He asks topside to send a message to his topside support group, now in St. Thomas trying to get him a new one. They should be told he has one down there after all. He then goes to the crew quarters and looks at some of his equipment. No. 3 is back from his dive and is out of the water.
- 6:41 No. 2 goes to the crew quarters and talks a bit with No. 1. Then No. 1 goes to the bridge.
- 6:42 No. 3 requests that he be allowed to go back to join the other divers. No. 1 (the crew leader) says not unless someone out there comes to the well. No. 3 wants to go. No. 1 says no. No. 2 is still listening to the Beatles in the crew quarters, and tinkering with equipment on his bed. The divers can now be seen on the outside TV camera, but No. 1 still says no to No. 3. No. 1 looks out the viewport and sees the other divers are there waiting. He asks No. 3 if he has a light with him, and signals No. 4 outside to wait. No. 3 goes. No. 1 watches the divers from the viewport in the bridge.
- 6:45 The Beatles cassette ends.

6:48 No. 1 goes to the crew quarters. No. 1 and No. 2 tinker with equipment.

6:52 No. 2 whistles and tinkers. No. 1 tinkers.

6:54 No. 1 puts on "Hey Jude" again.

6:55 No. 2 goes to the bridge (which is still dark).

6:57 No. 1 puts up the volume of "Hey Jude", and tinkers. No. 2 is sitting quietly in the dark bridge near the TV.

6:58 No. 3 returns. No. 4 returns. They begin unsuiting. They did not find the missing pinger.

7:00 No. 5 returns to the well.

7:20 No. 5 says to No. 3 and No. 4, "It's hard to hear high frequency noises around here with all the noise of the audio com and the pinger receiver."

7:24 No. 5 is now in the wet room. No. 3 is in the wet room working.

7:25 No. 3 is combing his hair. No. 5 is working. No. 4 goes to the bridge (which is still dark).

7:27 No. 3 is working. No. 5 is fixing his scuba gear and charging tanks. No. 4 is working in the dark bridge. No. 2 is sitting there still. No. 1 is still tinkering with equipment in the crew quarters.

7:30 No. 1 goes to the bridge.

7:31 No. 4 goes to the wet room with his camera. He prepares to take a picture of No. 3 and No. 5 working.

7:36 No. 1 goes to the wet room. No. 2 goes to the crew quarters. No. 4 shows the Polaroid picture he just took to No. 3 and No. 5.

7:38 No. 4 takes a picture of No. 1 talking to topside via the audiocom in the wet room.

7:39 No. 4 goes to the bridge which is still dark.

7:40 No. 1 goes to the bridge. No. 5 goes to the bridge. No. 3 goes to the bridge. Finally someone turns on the lights--after 30 seconds or so of them all standing in the dark.

7:45 The aquanauts are working on the habitability forms. They request that topside remind them each day about filling them out.

- 7:48 No. 3 is working in the wet room, No. 1 in the crew quarters, and No. 5 and No. 2 are working on their forms in the bridge. No. 4 is working on his form in the tunnel. Somebody puts on a Mozart piano concerto.
- 7:53 No. 5 shows No. 4 some specimens he's gathered with the microscope.
- 7:55 No. 1 goes to the bridge. No. 3 also goes to the bridge, and begins stamping letters. (Note: they have some rubber stamps from the postal service giving place and date of dispatch. Some philatelists send enclosures to be stamped this way, below the surface of the ocean.)
- 7:56 No. 1 and No. 3 go to the crew quarters.
- 7:58 No. 1, No. 2, No. 3 and No. 5 are now in the crew quarters. No. 4 is on the bridge. No. 5 is filling out his habitability forms. No. 1 and No. 2 are talking, and getting some equipment ready. No. 3 is watching.
- 8:01 No. 4 goes to the tunnel. He sits on the edge of the tunnel.
- 8:02 No. 3 goes to the bridge, No. 5 goes to the bridge and then No. 5 goes on to the wet room.
- 8:05 No. 1 and No. 2 are talking over their plans in the crew quarters. No. 1 is snacking. He opens a can to drink. No. 3 and No. 4 are filling out habitability forms in the bridge. No. 5 is working in the wet room. No. 1 is spreading deviled ham on bread. No. 2 is snacking also, laughing and chatting with No. 1.
- 8:11 No. 1 tries out the radio in the crew quarters. He is trying to find a station. No. 4 finishes his form in the bridge. No. 5 is working in the wet room.
- 8:13 No. 1 turns off the radio. He puts on an electronic music cassette instead.
- 8:14 No. 1 takes off that cassette, and puts on Elizabethan poems instead, then Edgar Allen Poe, both of the latter from the Spoken Arts Library.
- 8:15 No. 1 then puts on a cassette titled "Switched-On Bach."
- 8:15 No. 4 goes to the crew quarters. "What's for supper?" he asks and gets a beer. (Note: They are not allowed to have alcoholic beverages on board, but a very few cans of beer have found their way somehow to the habitat.)
- 8:16 No. 3 goes to the wet room and talks with No. 5.

- 8:17 No. 4 goes to the freezer. No. 1 is clearing off the table.
- 8:19 No. 4, after choosing the menu, goes to the crew quarters. No. 1 goes to the head.
- 8:22 No. 4 goes to the wet room to help with a pressure pot he understands is coming. No. 1 goes to crew quarters and talks to No. 2. No. 3 goes to the bridge with a form. No. 4 is explaining to topside about the pinger tracer. He is sending it back up because he can't get it to work. There is no pressure pot yet. No. 4 goes to the bridge, then to the freezer. No. 2 is tinkering with equipment in the crew quarters.
- 8:26 No. 1 goes to the wet room and explains to topside about the dive planned for tonight. No. 5 is still working in the wet room. No. 4 is cooking in the crew quarters. No. 2 picks up some equipment from his bunk. No. 3 is working in the bridge.
- 8:27 No. 5 receives the pressure pot just delivered from the barge topside, known as the Pinnafore. No. 2 goes to the bridge with his gear. No. 1 helps No. 5 with the pot, which is rather heavy. No. 2 goes to the head.
- 8:29 No. 1 suggests, "Let's keep those doors closed so we don't bang our heads" referring to the doors on the shelves around the wet room.
- 8:30 No. 1 and No. 5 are opening the pot. No. 4 is cooking. No. 2 goes to the wet room. Then No. 2 returns to the bridge with the mail that has been sent, along with supplies, in the pressure pot from topside.
- 8:32 No. 2 goes to the crew quarters and talks with No. 4.
- 8:33 No. 1 and No. 5 have unpacked the pressure pot. They close it up and put it back in the hatch, to be returned to the surface by the surface crew.
- 8:35 No. 2 goes to the wet room.
- 8:40 No. 3 goes to the wet room. He talks with No. 5. No. 1 and No. 2 are suiting up for a dive and talking. The topside crew, without being seen by the aquanauts, remove the pressure pot from the well.

Our observations end here for Day 2.

### DAY 3

- 5:00 p.m. No. 5 is tinkering with equipment he has lying on his bunk. No. 4 is in the bridge. No. 3 is also working in the bridge. No. 1 and No. 2 are out on a dive.
- 5:04 No. 3 goes to the crew quarters. He gets some things out of his bunk. No. 5 is now working at the table in the crew quarters. No. 4 is talking with topside about the carbon dioxide level--he can't remember the readings he took.
- 5:06 No. 3 goes back to the bridge.
- 5:08 No. 5 also goes to the bridge, and he talks there with No. 4.
- 5:10 No. 5 then goes back to the crew quarters. He waits for No. 4, who is again talking to topside, to hand something up the ladder to No. 4 in the bridge.
- 5:12 No. 5 goes to the bridge and No. 4 helps him up with his things. Then No. 5 goes to the wet room. No. 4 works at a desk in the bridge.
- 5:13 No. 5 now goes to the engine room.
- 5:14 No. 5 goes to the bridge and talks with No. 4. He asks about the phone to the Pinafore, the surface support barge above the habitat. He wants to know what switches to use. No. 4 is both working and talking. No. 3 is and has been taking pictures out the viewport of the bridge.
- 5:19 There is a request from topside about a sample bottle. No. 5 checks on it; the bottles in question are empty.
- 5:20 No. 4 goes to the head.
- 5:22 No. 3 sits in the chair that No. 4 was in. He moves it to the viewport, taking pictures.
- 5:23 No. 4 returns to the bridge, takes in the scene, and quietly says, "OK, no chair." He kneels at the desk where he was working. It is crowded now in that area of the bridge. There is no talking. No. 3 is taking pictures. No. 4 and No. 5 are working. No. 5 is making slides. No. 4, still kneeling, asks No. 5, "How is it going?"
- 5:27 No. 5 brings No. 4 a chair. No. 5 looks at the things No. 4 is getting out of the desk. No. 4 is trying to figure out what some of these things are.

- 5:31 No. 3 gets another camera and goes to the cupola.
- 5:33 No. 4 and No. 5 talk. No. 3 remains in the cupola. No. 1 comes in from his dive.
- 5:34 No. 2 comes in from the dive.
- 5:38 No. 3 comes down from the cupola and goes to the bridge. He gets a tripod and talks with No. 4. No. 4 and No. 3 make plans about photographing the fish that come to the viewports. Then No. 5 and No. 4 talk about equipment. No. 3 takes their picture. No. 1 and No. 2 are unsuiting and talking in the wet room.
- 5:45 No. 3 goes to the crew quarters. He puts a camera on the table and then on his bunk. He continues to tinker with things on his bed.
- 5:47 No. 3 goes to the bridge. He sits next to No. 4 and works on his camera.
- 5:50 No. 4 and No. 5 are tinkering on the bridge. There is some talk.
- 6:00 No. 5 goes to the crew quarters. He washes up at the sink. No. 4 and No. 3 are still working on the bridge. No. 1 and No. 2 are talking with much laughter in the wet room.
- 6:02 No. 1 asks No. 4 to come to the engine room. He says something about some acid being all fouled up. No. 4 goes to the engine room, then returns to the bridge again.
- 6:03 There is a long conversation in the wet room about the Cuban Star, a newspaper sent down from topside. No. 1 thinks the surface support group is making too much of them; he feels embarrassed by such good service. He asks topside for copies of Le Monde, the New York Times, and an orange popsicle. Topside makes no response. No. 1 tells No. 3 and No. 5 about his request on the habitat intercom. No. 3, No. 4 and No. 5 are still working on the bridge. No. 1 and No. 2 are slowly unsuiting and talking in the wet room.
- 6:10 No. 3 goes to the crew quarters. He puts his gear back in his bunk. He tinkers with this gear for awhile, standing next to his bunk.
- 6:13 No. 1 goes to the bridge. He asks if there is any mail today. There isn't. No. 2 showers in the wet room. No. 4 and No. 1 talk about food. No. 4 talks about smuggling a woman to the wet room. No. 1 says "I'm not interested in that; we have to work." No. 4: "You're not interested in that?" No. 1 says: "I've got the syndrome, I don't want sex, I want work. This is the most candy-assed operation I've seen."

- 6:17 No. 1 goes to the crew quarters and then back to the bridge. He starts organizing the dive hours for tomorrow with No. 5. No. 3 goes to the crew quarters and tinkers with some equipment. No. 1 is trying to get No. 5 to commit himself to a schedule.
- 6:22 No. 2 goes to the bridge. He listens to No. 1 and No. 5 talking. No. 5 suggests he go out between 9 a.m. and 1 p.m. and that No. 1 go before him from 7 to 9. No. 1 checks with No. 2 about the schedule.
- 6:26 No. 3 goes to the bridge. He talks about his dive today and where he went.
- 6:30 All 5 aquanauts are now in the bridge, choosing times for diving. They are using a schedule sheet that No. 4 made out. No. 2 wants to team with No. 3, No. 4 and No. 5 on some long dives. Unfortunately, they are short on good diving gear in the habitat, and they can't get any more.
- 6:43 No. 1 explains the dive plan to topside. No. 3 goes to the engine room and then to the wet room where he works with his research equipment.
- 6:44 No. 1 is still talking to topside. No. 2 goes to the radio in the crew quarters and tries to tune in a station.
- 6:46 No. 2 is snacking and drinking some cold soda.
- 6:47 No. 5 goes to the wet room and tinkers with some equipment.
- 6:48 No. 2 writes in his diary in the crew quarters.
- 6:50 No. 4 goes to the engine room to change the Baralyme.
- 6:51 No. 1, now the only one left in the bridge, asks loudly: "Who's cooking dinner tonight? How about some singing?" Somebody does start singing.
- 6:52 No. 2 lies on his bunk with a book. No. 1 goes to the crew quarters and talks with topside about the coming dive. No. 3 and No. 5 are working in the wet room on the rebreathers. No. 4 is changing baralyme.
- 6:54 No. 1 puts on a Herb Alpert cassette loud in the crew quarters. There is much laughter between No. 1 and No. 2 who are exchanging dirty jokes. No. 1 starts dancing to the music. No. 4 has ear-phones on and chats to topside about food and cassettes, while he works on the Baralyme in the engine room.
- 7:05 No. 5 goes to the engine room to help No. 4 with the Baralyme.
- 7:08 No. 1 goes to the bridge.

- 7:10 No. 4 goes to the bridge and talks to No. 1 about the carbon dioxide level. They wonder how their CO<sub>2</sub> production might compare with the female crew. No. 5 goes to the bridge. The newspaper sent down in the pressure pot earlier today has been drying in the engine room. It is now dry. The aquanauts divide it up in the bridge. No. 1 and No. 5 settle down to reading the paper. No. 3 is just finishing working in the wet room.
- 7:11 No. 4 goes back to the engine room to finish doing the Baralyme. No. 3 goes to the bridge and tinkers. No. 1 says: "Topside never did answer my newspaper request." No. 2 is still in the crew quarters, lying on his bunk. No. 1 goes to the crew quarters, laughing uproariously about No. 3's watch. Someone mentioned its being past 7:00, and No. 3 said "No, it's past 8:00." As a practical joke No. 2 and the other aquanauts changed No. 3's watch, and set it ahead an hour. No. 3 still doesn't know his watch has been changed, and doesn't realize why No. 1 and No. 2 are laughing.
- 7:17 No. 3 goes to the engine room to help with the Baralyme. No. 1 and No. 2 are still laughing in the crew quarters. No. 5 is still reading the newspaper in the bridge on the floor. No. 3 returns to working in the wet room.
- 7:20 No. 1 and No. 2 shoot the breeze in the crew quarters. They are talking about the notion of female aquanauts.
- 7:24 No. 4 has the Baralyme done, but still has to clean up what was spilled.
- 7:26 No. 1 is shaving and shooting the breeze. He puts on the Herb Alpert cassette. No. 5 finishes the newspaper. He then works with his slides on the bridge.
- 7:30 No. 1 goes to the bridge. He looks at the two-way TV. He then goes to the tunnel. He talks with No. 4 in the engine room. He then gets some food from the freezer.
- 7:33 No. 1's topside support crew and a topside director are visiting the command van. No. 1 asks all aquanauts to come to the bridge. He himself goes to the crew quarters and talks to the director on the Bogen phone. No. 4 cleans the engine room with the vacuum cleaner. No. 2 is reading in the crew quarters. No. 3 is working in the wet room. No. 5 is working with slides in the bridge. No. 1 tells the director the "aquanauts are too pampered." He feels guilty about getting so much attention. No. 1 also mentions that there aren't enough rebreathers and that the lab is too small.



- 7:40 No. 4 goes to the bridge. No. 1 is saying to the director that scientifically speaking, things are at a lull in the mission. He goes on to say he feels like: "This is the Tektite Hilton." He watched a Cousteau taped TV special this afternoon and he feels guilty. The habitat atmosphere is one of air-conditioned comfort. After base camp he says the habitat is a marked change in pace. No. 1 also says he thinks if the dive schedule works it will be good for morale.
- 7:46 No. 5 goes to the wet room. No. 1 continues to talk on the Bogen phone to the topside director.
- 7:53 The topside director finishes with No. 1. No. 1 goes to the bridge. Topside switches everyone in the habitat to open mike. The director talks with No. 5 in the wet room. He asks if he has any complaints. No. 5 says the rebreather preparation time is too slow. No. 4 reads part of the paper.
- 7:56 No. 1 says to the topside director over the open mike: "All you have to do is to get yourself on the stick; none of this governmental agency nice-guy come-on stuff with us." No. 2 comes to the bridge.
- 7:57 His topside support group talks with No. 1. No. 3 and No. 5 are getting ready in the wet room for a dive. No. 1, and No. 2 and No. 4 are in the bridge.
- 8:01 No. 5 is watching fish in the wet room well. No. 3 is tinkering in the wet room. No. 4 is reading in the bridge. No. 2 is walking and listening in the bridge. No. 1 is still talking on open mike to his topside support team. No. 2 opens some colored pencils. No. 4 is going to take a picture.
- 8:06 No. 1 asks his topside support to go to the Bogen.
- 8:07 No. 1 goes to the Bogen phone in the crew quarters. He talks to his topside person quietly. No. 4 goes to the wet room with a camera. No. 2 is looking at the books in the bridge.
- 8:08 No. 4 shows No. 3 and No. 5 a Polaroid picture of them. No. 5 is watching the fish in the well again. No. 3 and No. 5 start to suit up. No. 4 watches them and chats. Then No. 4 begins suiting up too.
- 8:15 No. 5 goes to the head.
- 8:16 No. 1 goes to the bridge to check on things via the closed circuit TV with No. 3, No. 4, and No. 5. No. 5 is just returning to the wet room.

- 8:17 No. 1 returns to the Bogen phone in the crew quarters and begins bawling out his topside group because he can't get his experiment started. No. 3, No. 4 and No. 5 are getting their dive set up in the wet room.
- 8:20 No. 1 calls No. 2 to the crew quarters. No. 1 is talking to his topside group still. He says the other aquanauts are not good swimmers.
- 8:22 No. 1 gives the telephone to No. 2. No. 2 talks with the topside support team. No. 1 goes to the bridge and asks the watch director or topside engineer to adjust the TV cameras so he can show his friends topside the tarpon that come to the habitat at night. The light is not good. No. 1 goes to the crew quarters to adjust the camera.
- 8:23 No. 4 asks No. 1 to come to the wet room to identify the pingers. No. 1 comes. No. 3 is going into the water. No. 1 asks that a light be moved outside to improve the picture from the outside TV camera.
- 8:25 No. 2 finishes talking on the Bogen and goes to the bridge.
- 8:26 No. 1 goes to the bridge and watches the TV picture. No. 4 and No. 5 still have no back packs on, so No. 3 is waiting in the well.
- 8:27 No. 1 says to his topside group, "I'll see you back here about 10:30 eh?" Then he sits down with a magazine. No. 2 is standing in the bridge too, walking around. No. 1 goes to the freezer in the engine room. No. 2 goes to the freezer also. They are choosing food together.
- 8:30 No. 1 goes to the crew quarters. He plays the Herb Alpert cassette again. No. 2 goes to the bridge. He sits by the TV.
- 8:31 No. 2 goes to the crew quarters. He jokes with No. 1. No. 3, No. 4, and No. 5 are having trouble with their strobes, pingers, and balloons.
- 8:35 No. 2 puts on a Beatles cassette, "Here Comes the Sun."
- 8:37 No. 4 has on his tanks, and is ready.
- 8:40 No. 3, No. 4 and No. 5 go out for a dive.
- 8:48 No. 1 and No. 2 are still listening to the Beatles. They are having supper standing up. No. 1 is singing some along with the Beatles.
- 8:50 No. 1 and No. 2 sit down for supper.
- 8:58 The Beatles cassette ends.

- 8:59 No. 1 puts on a cassette of the musical "Hair". Then he goes to the bridge and plays with the TV. He looks for a TV film-tape, picks one, and has trouble putting it on. No. 2 is still having supper in the crew quarters while he also is looking at some things on his bunk.
- 9:04 No. 1 fixes the TV film of "The Navy Diver" so it will play, returns to the crew quarters, and watches with No. 2 with the lights out.
- 9:10 No. 3 returns from his dive. He unsuits, checking his feet carefully. Then he showers.
- 9:24 No. 3 works in the wet room.
- 9:29 The film of "The Secret Well at Chicken Itza" is now on the TV.
- 9:44 No. 4 and No. 5 are now back in.
- 9:45 No. 1 goes to the bridge and turns off the film. He is listening to a conversation between No. 4 from the wet room and topside about tomorrow's dive plan and about the air in the habitat. Then No. 1 puts the film back on. He returns to the crew quarters. He turns the light on. No. 3 also goes to the crew quarters. No. 1 gets a snack. Then he puts the lights off and continues to watch the film. No. 4 and No. 5 in the wet room talk about their air supply and about going out for 1/2 hour more. No. 3 is now watching the film with the others in the crew quarters.
- 9:53 "The Secret Well at Chicken Itza" is now over. There is a brief section of "The Kraft Music Hall" which follows. No. 4 and No. 5 are changing their tanks in the wet room.
- 9:55 No. 3 is combing his hair while watching the film.
- 9:59 The film is over. No. 1 goes to the bridge. He looks for a new reel to put on the TV.
- 10:00 No. 3 gets a snack. No. 2 drinks some soda. No. 2 also snacks.
- 10:05 No. 5 and No. 4 leave for a dive.
- 10:07 No. 1 puts a TV film on of a Cousteau special. He returns to the crew quarters and puts the lights out. No. 1, No. 2 and No. 3 watch.
- 10:44 No. 4 and No. 5 return. While they are unsuiting there is some light conversation between them.
- 10:56 The Cousteau film is over. No. 1 goes to the bridge. He rewinds the film. No. 2 and No. 3 stay in the crew quarters in the dark.

11:01 No. 1 puts on a film of the "Laugh-In" show and goes to the crew quarters to watch.

11:02 No. 1 returns to the bridge. He looks at the two-way TV, then goes back to the crew quarters. He is probably checking to see if his topside support group has returned.

11:05 No. 1 returns to the bridge again, then checks on No. 4 and No. 5 from the engine room. He then goes back to the crew quarters.

11:09 No. 1 again returns to the bridge. One of his topside support group is here. He goes to the crew quarters and goes on the Bogen phone. No. 3 goes to the bridge. After a brief conversation, No. 1 returns to the bridge. He puts off the TV. Then No. 1 goes to the wet room. No. 3 works on the bridge. No. 1 goes back to the bridge. He talks to a mechanic topside. No. 4 goes to the engine room for the head. No. 5 continues to unsuit and fix up gear after his dive. No. 2 continues to rest in the crew quarters.

11:15 No. 4 goes to the bridge, then to the crew quarters. He gets something from the refrigerator. The crew quarters are still dark.

11:17 No. 4 puts on the light. No. 1 goes to the wet room. He talks with his topside person on the intercom to topside.

11:18 No. 5 goes from the wet room to the head. No. 3 is still working on the bridge. No. 2 goes to the bridge and is watching No. 3 working.

11:20 No. 5 goes to the bridge. He sits in front of the TV.

11:21 No. 1 and his topside support are talking. No. 4 makes soup in the crew quarters. No. 5 and No. 3 are in the bridge working.

11:22 No. 2 goes to the wet room. He is watching in the wet room with a coke in hand.

11:24 No. 5 goes to the crew quarters to get some forms on his bed.

11:26 No. 4 offers a cold soda to No. 5. No. 5 accepts. No. 4 drinks one too.

11:30 No. 4 yells up to No. 3: "There's hot soup when you're ready, No. 3." No. 3 says, "Thank you." No. 3 comes to the crew quarters.

11:32 No. 3 is drinking soup. No. 4 is looking for a snack.

- 11:32 No. 5 finishes his form. He gets up and looks in the refrigerator. No. 4 opens a can of something. No. 4 talks with No. 3 and No. 5 about hiking. No. 1 is still talking with his topside person, who is giving him instructions on the use of a piece of research equipment they have sent to No. 1 and that he has in front of him in the wet room.
- 11:39 No. 1 goes to the bridge. His topside support is still reading directions. His topside support person says "OK." No. 1 ignores this. His topside support asks if he can hear there. No. 1 says: "Let's discontinue this right now." The topside person says, "Can you go to the Bogen?" No. 4 and No. 5 are talking about sea urchins while eating.
- 11:41 Another topside crew member wants to talk to No. 4 on the Bogen. He does, and asks him about a packing list.
- 11:42 No. 4 finishes on the Bogen.
- 11:43 Scratching his head, No. 5 chats with No. 3 and No. 4. No. 1 is on the bridge looking at the two-way TV. His topside person says something.
- 11:45 No. 2 takes a picture in the wet room.
- 11:46 No. 2 goes to the bridge, idling. No. 1 goes to the Bogen in the crew quarters.
- 11:47 No. 5 is working on his forms in the crew quarters. No. 3 goes to the bridge and begins working. No. 4 continues with his food.
- 11:48 No. 1 goes to the bridge, looking at the two-way TV. His support person is still waiting on the Bogen.
- 11:50 No. 1 goes to the Bogen, and begins to talk. Then No. 1 goes back to the bridge. No. 4 is still eating in the crew quarters. No. 5 is finishing his forms in the crew quarters.
- 11:51 No. 3 goes to the wet room to work there. No. 1 is sitting and watching his topside support person on the two-way TV. No. 2 is now working on the bridge.
- 11:53 No. 3 goes to the head.
- 11:55 No. 3 goes to the bridge, then No. 3 goes to the crew quarters.
- 11:57 No. 5 finishes his forms. No. 4 starts the dishes in the crew quarters. No. 1 goes to the wet room. No. 5 goes to the bridge. No. 1 is working on his research instrument in the wet room. No. 5 is writing. No. 4 puts on some relaxed music (Herb Alpert) in the crew quarters. No. 4 talks to No. 3 about the music. No. 5 goes to the wet room. No. 1 goes to the bridge.

- 12:02 No. 2 reads a magazine in the bridge. No. 1 is writing in the bridge. No. 3 is getting ready to go to bed in the crew quarters.
- 12:06 There is polka music in the crew quarters. No. 1 is working in the bridge. No. 5 is working in the wet room. No. 2 is still leafing through a magazine in the bridge.
- 12:09 No. 4 turns off the polka music. He talks to No. 3 who is on his bunk. No. 4 turns off the light, goes to bridge, and sits next to No. 1.
- 12:12 No. 1 puts on the Beatles cassette of "Can't Buy Me Love."
- 12:13 No. 1 asks No. 4 about the habitability forms, and goes to the crew quarters to get his. He returns to bridge with his MACL, and fills it out.
- 12:16 No. 1 stares absently into space. No. 4 works. No. 2 reads a magazine. No. 1 is looking over the leisure books. No. 4 says the books are a bunch of losers. No. 4 says "What we want is The Pearl, or A Man and a Maid."
- 12:20 No. 1 and No. 2 go to the crew quarters. No. 1 gets a snack. No. 1 asks No. 4 about the thermostat. (No. 1, in the crew quarters, and No. 4, in the bridge, can hear each other through the passageway between the two rooms.)
- 12:23 No. 5 goes to the head. (He's been working in the wet room.)
- 12:25 No. 4 is talking with topside about pingers. (He has been working in the bridge.)
- 12:26 No. 1 and No. 2 go to bed.
- 12:28 No. 4 goes to the wet room to check the pingers.
- 12:30 No. 4 returns to the bridge. No. 5 is now also on the bridge, with a magazine.
- 12:37 No. 5 goes to bed. No. 4 is still working.
- 12:39 No. 4 gets a book, and goes to the head.
- 12:47 No. 4 is out of the head. He goes to the bridge, then to the wet room.
- 12:48 He gets his camera, goes back to the bridge, puts the camera away, and gets his bed out.

12:50 He makes his bed, gets in bed with the book, gets up, looks for something, and goes back to the head. He then returns to the bridge, puts ear drops in, and goes back to bed with the book. He wipes his nose, and reads.

1:02 No. 4 turns off the lights and goes to bed.

Our observations end for the evening.

#### DAY 4

- 5:00 p.m. In the wet room, No. 1 is having a discussion with No. 4 about the habitat and about diving. No. 2 and No. 5 are working on the bridge. No. 3 is asleep. No. 1 is arguing against the motel concept for isolated research habitats. It is a good hard discussion about what the habitat concept is all about.
- 5:02 No. 5 goes to the crew quarters, puts his work on his bunk, and gets a snack.
- 5:04 No. 4 goes to shower. No. 1 helps a safety diver who delivers some repaired pingers and refilled oxygen bottles, without visual or auditory contact. No. 1 and No. 4 discuss the schedule.
- 5:05 No. 5 goes to the head.
- 5:08 No. 5 goes to the bridge, rests his feet on the desk, and reads a book.
- 5:12 No. 3 opens the curtains of his bunk, but still rests there.
- 5:13 No. 4 goes to the engine room. No. 1 hands some things up to him. Then No. 4 goes to the bridge. He gets something out of the drawers. Then puts on Handel's "Water Music."
- 5:16 No. 4 goes to the wet room. He asks about a lens cover he lost. No. 1 loans him one. No. 4 proceeds to the crew quarters. No. 1 goes to the bridge. From the bridge No. 1 hands No. 4 in the crew quarters a box full of food. Then No. 1 joins No. 4 in the crew quarters. They stock up the refrigerator and put away food in the cupboards. No. 2 and No. 5 are still on the bridge. No. 5 is reading, No. 2 working.
- 5:21 No. 4 goes to the freezer and gets more food. He manages to carry the food down to the crew quarters alone. Then he goes back to the bridge. No. 3 gets up and goes to the bridge. No. 3 and No. 5 talk about Coke on the bridge. No. 2 still works there. No. 5 is reading leisurely. No. 3 takes a picture of the scene in the bridge.
- 5:24 No. 1 takes a shower in the wet room. No. 4 gets his Land Camera out and takes a picture of No. 2. No. 3 goes to the crew quarters. No. 4 is drinking a Coke.
- 5:27 No. 2 goes to the crew quarters. He gets a Coke. No. 4 lies in the tunnel and works. No. 1 finally gets out of the shower. No. 4 puts on the other side of the "Water Music."
- 5:29 No. 4 goes to the engine room. No. 3 is reading a magazine at the table in the crew quarters.



- 5:30 No. 5 goes to his bunk, throws his book in, gets in, and lies down to read. No. 3 snacks in the crew quarters. No. 2 is still working on the bridge. No. 4 takes a picture of No. 1 in the wet room. No. 4 shows No. 1 the picture. No. 1 is refilling air tanks.
- 5:32 No. 4 goes back to the bridge, drinking a Coke.
- 5:34 No. 4 goes to the freezer for more food. No. 2 turns up the "Water Music."
- 5:35 No. 4 goes to the bridge, then back to freezer.
- 5:36 No. 1 goes to the engine room, then to the bridge. No. 4: "How are you at making pork chops, No. 1?"
- 5:37 No. 4, now also in the bridge, mentions to No. 1 that he does his forms first thing in the morning, during a brief conversation about the habitability forms.
- 5:38 No. 1 goes to the wet room.
- 5:40 No. 4 requests some addresses from topside. No. 1 fiddles in the wet room with the clothes and towel dryer. No. 3 is still flipping through a magazine in the crew quarters. He isn't reading, just skimming and looking at the pictures.
- 5:45 No. 4 requests a camera-to-microscope connection from the topside engineer via the Virgin Islands Ecological Research Station.
- 5:46 No. 1 goes to the bridge, he talks to No. 2 there. No. 4 is looking through a microscope. No. 1 mentions they need a stool for the wet room. He asks No. 4 if he knows of one topside. No. 1 and No. 2 do some off color joking about modern times. No. 4 remarks, on watching topside on the TV, "Those poor guys up there-- for 2 hours they have nothing to do, then in 15 minutes everything turns to chaos."
- 5:53 No. 1: "Did they do a behavioral study on the color of the walls here?" No. 4 thinks, "If a guy comes out and can't remember what color it was, it is a good color." No. 1 talks about a beautiful woman he saw. Every guy in the place noticed her and remembered her. No. 2 joins in a bit. No. 4 looks at No. 1 and No. 2 but makes little response.
- 5:57 No. 1 thinks he will build an under water habitat like Tektite in his swimming pool. No. 4: "You'd be the first on your block. You know you could have a wild party down here." No. 4 talks about a guy who knows No. 1. The conversation continues.

- 5:59 No. 2 puts on the "Peer Gynt Suite." No. 4 talks about raising money for a Tektite party from Hugh Hefner.
- 6:00 No. 1 is excited about having a cocktail party filmed in the habitat. No. 1 wonders who would he have to talk to, "Who is the superchief of the Tektite operation?" They are lying on the bridge floor talking and relaxing.
- 6:03 No. 4 wonders where they will put the habitat when the project is done. No. 1 says, "I've got an idea that will blow everyone's mind, but I won't tell you because you'll steal it and then won't let me participate." No. 2 is still working and listening to music.
- 6:07 No. 2 goes to the head. No. 4 talks about improving the support barge for another Tektite. They wonder about how to sink a habitat on the bottom. No. 5 closes the curtains in his bunk. No. 3 is still working in the crew quarters. No. 1 and No. 4 are now talking about having an improved towable habitat, meanwhile still lying on the floor in the bridge.
- 6:12 No. 2 comes out of the head and goes back to work in the bridge.
- 6:16 No. 3 covers the TV camera in the crew quarters because he is taking pictures.
- 6:17 No. 4 and No. 1 stop talking. No. 4 gets up, and No. 1 goes to the crew quarters. He snacks, while he goes through the cupboards looking for more.
- 6:19 No. 3 takes the cover off the camera. No. 4 gets a book about marine life and reads in the bridge.
- 6:23 No. 1 takes No. 3's things off the table. He puts plates out for five. He whistles and gets the pots out with much clatter. No. 3 goes to the bridge at 6:25. No. 3 looks at No. 4's book with him and talks about it. No. 4 suggests a plan for stunning an eel. He draws his plans out with felt markers.
- 6:27 No. 1 snacks while cooking. No. 2 and No. 3 are watching the plans of No. 4, No. 3 is making suggestions and adding to the idea.
- 6:31 No. 5 gets out of bed. He goes to the bridge and talks with No. 3 about something they noticed in the sand. No. 1 is walking around in the crew quarters. He talks to No. 2 through the hole to the bridge.
- 6:32 Some music by Copeland is put on.
- 6:33 No. 4 asks: "Would you like to put your time down to dive tomorrow?"

- 6:34 No. 1 goes to the bridge. He listens to the plans being made by No. 3, No. 4 and No. 5. No. 4 asks No. 5 about a leisure book he suggested. No. 4 is trying to get the dives figured out.
- 6:36 No. 1 goes back to the crew quarters. He puts on the music very loud. He continues to cook. The tape recorder is right near the opening to the bridge. The sound is loud in the bridge.
- 6:37 No. 1 yells to No. 4 through the hole to the bridge: "Hey No. 4, before you call that in I'd like to look at it."
- 6:38 No. 3 goes to the viewport in the engine room. No. 1 goes to the bridge. No. 3 goes to the wet room and looks at the fish in the well for a long time. No. 1 is pressing No. 5 for a dive time. No. 5 is slow to respond.
- 6:40 No. 3 goes to the viewport in the wet room.
- 6:44 No. 1 comes back to the crew quarters. No. 4 talks to No. 5 in the bridge about No. 4's tender feet. No. 1 cooks some more. No. 1's music (Tom Jones) is not so loud now. No. 3 is tinkering in the wet room with the diving gear. No. 4 and No. 5 talk in the bridge about No. 5's experiment, proper sampling, etc.
- 6:47 No. 1 goes to the bridge; "OK, have we got the thing worked out?" There is no response. No. 1 presses them until it is worked out, wasting little time. No. 5 then goes to the head. No. 3, from the wet room, also goes to the head.
- 6:52 No. 1 goes back to the crew quarters. No. 5 returns to the bridge, No. 3 to the wet room.
- 6:53 No. 1 asks: "No. 4 would you and No. 5 like to start first?" No. 4 replies: "Love to."
- 6:54 No. 5 goes to the crew quarters.
- 6:55 No. 1 calls No. 2 for supper.
- 6:56 No. 2 comes to the crew quarters. He puts on some Segovia music.
- 6:58 No. 1 yells: "No. 3." No. 3 comes and sits at the table for supper.
- 7:02 No. 5 is talking about pastry shops. The others join in with talk about good food.
- 7:13 No. 1 finally sits with them. He asks: "Would anyone like coffee?"
- 7:20 No. 2 puts on some jazz. They talk about turtles.

7:30 The bull session continues in the crew quarters. No. 4 goes to the head.

7:35 No. 4 and No. 5 go to the wet room. They prepare for a dive. No. 1 cleans up the crew quarters. No. 2 and No. 3 go to work at the bridge.

8:00 No. 4 forgot something, he goes to the bridge in his wet suit.

8:02 No. 4 is back in the wet room. He helps No. 5 with his air tanks. Then No. 5 helps No. 4 put on his.

8:05 No. 5 is in the water.

8:07 No. 4 is in the water.

8:08 No. 1 finishes cleaning the crew quarters. In the bridge, No. 2 puts on a cassette of Flamenco guitar music. No. 1 goes to the bridge, then to the crew quarters, then back to the bridge, then to the crew quarters, and then to the head.

8:12 No. 1 goes to the bridge. He looks in the leisure kit. No. 2 also looks through the leisure materials. Then No. 2 flips the buttons on the two-way TV.

8:14 No. 1 sits at the desk over the leisure kit. He fills out forms. No. 2 goes back to work at his desk, near the microscope. No. 3 is still working, near the 2-way TV.

8:15 No. 3 goes to the crew quarters. He gets a snack. He gets out a chair, and sits at the table, he puts out his papers on the table.

8:22 No. 1 finishes his forms. He has No. 3 put them back on his bunk by handing them down to the crew quarters. He calls topside to establish tomorrow's dive plan.

8:26 No. 2 goes to his bunk in the crew quarters. He opens his personal drawer.

8:29 No. 1 calls No. 2 to the bridge to talk about the dive plan. While they figure it out, No. 2 sits at the desk where No. 1 was sitting, and gets out a net.

8:30 No. 1 puts on more Flamenco music. He asks No. 2 a question.

8:32 No. 1 sits beside No. 2. He gets up and dances. Then he sits in the chair near the two-way TV. Then gets up again. He goes to No. 2's desk. There is more conversation. They both stand.

- 8:34 No. 1 turns off the music. Then No. 1 goes to the head. No. 2 sits in the tunnel. Then No. 1 comes out of the head, chats with No. 2 through the tunnel. Then No. 1 goes to the wet room and works on some equipment. No. 2 is working in the bridge, making something like a net, probably to catch fish.
- 8:38 No. 2 goes to the head. He gets out of the head. He goes to the crew quarters and gets some gear from his personal drawer. Then he goes to the engine room and talks with No. 1 through the hole to the wet room.
- 8:39 No. 2 goes to the crew quarters.
- 8:40 No. 3 goes to the bridge from the crew quarters. He looks at the two-way TV. Then he goes to the wet room and works. No. 2 also goes to the wet room and works. No. 1 is still working in the wet room.
- 8:41 No. 3 goes to the tunnel and then to the bridge. He sits at the desk under the TV camera (by the leisure area). No. 1 and No. 2 talk and fill their air tanks.
- 8:55 No. 5 appears in the well; he wants a pencil. No. 1 goes to the bridge looking for one. No. 2 finds one in the wet room. No. 1 returns to the wet room.

This is the end of our observations for Day 4.

## DAY 5

- 5:00 p.m. No. 3 is in the bridge reading a magazine. No. 4 is working at a desk in the bridge. No. 1 is snacking in the dark in the crew quarters. No. 2 and No. 5 are out on a dive.
- 5:11 No. 1 is now eating in his bed; just his bed light is on.
- 5:20 No. 1 puts the lights on in the crew quarters. He gets something. Then he puts the lights out and goes to bridge to look at the two-way TV. He watches for a long time. There is some talk about J.S. Bach. No. 4 puts on some Bach music. No. 1 then talks about chickens. No. 3 goes to the viewport in the engine room. No. 1 and No. 4 get into a leisurely conversation about swimming near seals, and then the power for the habitat.
- 5:23 No. 3 goes to the wet room and works on his research there.
- 5:27 No. 1 looks at the two-way TV. Then there is more conversation about pressure pot drops, the design of the habitat, etc. No. 1 asks: "Why am I so sleepy all the time?" No. 1 says he doesn't like the landscaping of the habitat. Then No. 1, with his feet on table, begins complaining that the habitat is not conducive to research. It is too comfortable. These are the most relaxed 5 days he's had in years. They talk about a program director top-side. Then No. 1 returns to the theme of it's too easy, too plush.
- 5:40 No. 3 goes to the bridge. He works at a desk. No. 4 moves to tunnel to continue the discussion with No. 1.
- 6:11 A topside support crew member is in the command van to talk to No. 1 and says hello. No. 1 keeps the person waiting to finish a story he's telling No. 4 about scientists getting selected for the Tektite program.
- 6:13 No. 1 says: "Hey, topside! I'll be with you in a minute."
- 6:20 No. 4 says he has to put the outside lights on for the other aquanauts. No. 1 finally goes to the Bogen phone to talk with topside. No. 4 meanwhile goes to the wet room.
- 6:21 No. 4 returns to the bridge. He is working at a desk there. He gets a camera, and takes a picture of No. 3 who is still working at the same desk.
- 6:24 No. 4 goes over to look at the microscope.
- 6:26 No. 1 returns to the bridge. No. 4 asks: "How's everything top-side?" No. 1 says "Alright." Another topside crew member is now on the mike, waiting to talk to No. 1.

6:27 No. 1 states: "So I'm going to tell you a little story, No. 4. Can I get a cup of coffee?" No. 4, perhaps uncomfortable since No. 1 is using him as an excuse not to talk to topside, doesn't respond immediately. No. 1 says: "I got to finish my story, No. 4." No. 4 in turn says: "I'll be right back." He goes to the crew quarters. No. 1 follows him and gets a cup of coffee in the dark.

6:29 No. 3 goes to the crew quarters and puts the lights on.

6:30 No. 1 has a snack and enters into some more conversation. No. 3 goes back to the bridge.

6:36 No. 3 again goes to the crew quarters. No. 1 is now on the theme of project politics. No. 3 is setting up a tripod.

6:38 No. 3 goes to the bridge. No. 3 and No. 4 talk about the pre-mission training. No. 1 and No. 4 relax, snack and chat.

6:40 No. 4 tells of troubles in his initial contacts with the project. No. 4 spots No. 2 and No. 5 swimming past the viewport window and gives them the OK sign.

6:44 No. 4 is going to get some food for everyone's supper. No. 1 says No. 4 should prepare for just four (he's not eating). No. 3 is working on the tripod to rig a camera attachment for the microscope on the bridge.

6:45 No. 4 gets some food out of the freezer in the engine room, and carries it through the tunnel to the bridge. No. 1 takes the food there, and carries it down to the crew quarters. No. 1 opens the food. No. 4 stands on the bridge, rubbing his neck slowly and thinking. He checks the readings on the dials monitoring the habitat systems. No. 1 starts to cook.

6:48 No. 1 goes to the bridge. He stands by No. 4. There is no conversation.

6:49 No. 4 thumbs through the facilities in the leisure storage area. No. 1 watches No. 3 work. Then No. 1 watches the two-way TV and then looks at the dials for habitat system monitoring. No. 4 talks about how he "goes berserk" over the fish outside. There is lots to find out about; particularly he'd like to know more about the eels. No. 4 is sitting in the tunnel. No. 1 is sitting on a chair. They talk about the gear required for good science in the ocean, and also about their feeling it would be a good idea to have a scientific briefing for the watch directors as a part of their training, as well as more scientific briefings for the aquanauts. No. 4 tells No. 1 about how No. 4 got involved in the Tektite project in the first place, and about the similarities between underwater stations, isolated research stations and space stations. They also talk about the problems involved in supplying such habitats.

- 6:52 No. 2 is back from his dive and is in the wet room.
- 6:54 No. 5 is back from his dive and is in the wet room. There is no talk there.
- 7:05 No. 3 takes the tripod to the crew quarters. No. 3 gets a snack from the refrigerator.
- 7:09 No. 3 returns to the bridge, to a desk; then he goes to the engine room and the head. No. 5 and No. 2 are checking out the rebreathers.
- 7:13 No. 3 is back from the head, and he gets a leisure book in the bridge. No. 1 and No. 4 are still talking.
- 7:29 No. 4 tries to pull in No. 3 on the conversation. No. 4 asks No. 3 about some of his earlier field work. No. 3 talks about his previous research. No. 4 looks out at the fish and lights outside, and comments on their beauty.
- 7:32 No. 4 goes to the crew quarters. He puts the food in the oven.
- 7:33 No. 1 goes to the engine room. He looks at the gauges. Then he goes to the head. Then he goes to the crew quarters.
- 7:37 Someone puts on "Love Sweet Love" loud on the tape recorder. No. 1 and No. 4 talk a little. No. 1 talks about delinquency and talks about drinking.
- 7:41 No. 2 goes to the bridge. He has finished changing in the wet room.
- 7:43 No. 5 goes to the bridge. No. 3 is reading a magazine. No. 2 and No. 3 talk about diving.
- 7:45 No. 2 goes to the crew quarters. No. 5 goes to work at the desk on the bridge. Then he looks at the two-way TV. Then he talks with No. 3. Then No. 5 talks excitedly about some squid going by to the people in the crew quarters. No. 2 says, "Amazing! Incredible!" No. 4 comes to the bridge and No. 5 shows him the squid. No. 1 and No. 2 joke a bit, and talk about Tektite in the crew quarters. Then No. 4 and No. 5 look through a book on Caribbean reef fish to identify the squid. No. 4 continues to leaf through the pages of Caribbean reef fish. No. 5 proposes a short dive later that evening. No. 5 then leafs through the pages of the book and No. 4 looks out the viewport. Then they both look at the book.
- 7:55 No. 5 goes to the wet room and works. No. 4 sits near the tunnel. No. 3 is still reading a magazine. No. 1 and No. 2 put on one of the cassettes of Herb Alpert in the crew quarters. No. 1 dances a bit, and makes a bra of his T-shirt. He dances like a burlesque girl. "Hey, No. 4" he yells. No. 4 in the bridge strips off his own T-shirt slowly. There is much approval for this from No. 1 in the crew quarters.



- 8:00 No. 1 goes to the bridge and continues to dance. Then he returns to the crew quarters and turns off the music. Then he goes to the bridge and looks over the dive plan. No. 4 is straightening up the bridge.
- 8:02 The music resumes and No. 1 is dancing again, holding his "bra" up. No. 2 goes to the bridge. No. 4 takes a picture of No. 1. No. 1 slowly takes off his shirt. No. 4 shows the picture to No. 3. No. 3 is in hysterics. No. 4 takes another picture. No. 2 and No. 3 laugh.
- 8:04 After putting his shirt back on No. 1 looks like he is going back to work, but then he dances again.
- 8:05 No. 1 asks "who's going out tonight?" No. 2 and No. 3 talk a bit while No. 1 keeps dancing to the music.
- 8:10 No. 4 and No. 5 go to the crew quarters and look at the food. No. 5 fiddles with the cooking a bit.
- 8:11 No. 5 goes to the bridge. No. 4 follows.
- 8:12 No. 1, No. 3 and No. 4 and No. 5 discuss the dive plan for tonight and tomorrow.
- 8:13 No. 4 and No. 5 further discuss the dive plan. No. 1 puts on a new Herb Alpert tape.
- 8:14 No. 4 shows No. 1 his preferred time of 8-10 a.m.
- 8:15 No. 4 goes back to the crew quarters and he looks at the food.
- 8:17 The cassette is turned off. The crew is still figuring out their schedule.
- 8:18 No. 5 wipes the table in the crew quarters. No. 4 sings. No. 3 whittles.
- 8:19 The cassette is turned back on. No. 3 stands and looks around.
- 8:20 No. 1 tells topside the plan about the diving.
- 8:21 No. 4 fixes the mail to be sent topside.
- 8:25 No. 1 (sarcastically) suggests a dance. They could get wigs from topside and have some girls and some guys. (In part he is clearly joking at the expense of the behavioral observers.)
- 8:26 No. 4 goes to the crew quarters. He gets out the food. No. 3 joins No. 4. No. 1 and No. 2 talk.

- 8:27 No. 4 goes to the bridge. He gets something down, and starts to return to the crew quarters. No. 2 works at a desk. No. 4 gets to the crew quarters, and No. 1 hands down something to him. No. 4 invites No. 2 to dinner.
- 8:29 No. 1 looks at the dinner in the crew quarters, then goes back to the bridge. No. 2 is still working. No. 1 sits next to No. 2, gets a magazine, puts his feet on the desk, and looks at pictures.
- 8:31 No. 1 puts on "Laugh-In" on the TV. The others start to eat.
- 8:32 No. 1 and No. 2 watch from the bridge. No. 4 and No. 5 talk about Milton Berle, TV, and TV dinners. No. 4 thinks "Laugh-In" is a lousy show.
- 8:48 No. 2 goes to the crew quarters for supper. The others are just finishing. No. 1 is reading Playboy on the bridge but leaves on "Laugh-In", rather loud. The others more or less watch.
- 8:51 No. 4 "It stinks, it really stinks." (He is referring to "Laugh-In.")
- 8:54 No. 4 reads a magazine on a bunk. He is through eating. The others watch "Laugh-In" in the crew quarters. No. 1 reads Playboy on the bridge.
- 8:57 No. 4 shows a funny cartoon to No. 2. No. 5 comes over to see it.
- 8:59 No. 4 goes to the bridge. He looks at No. 1 reading, shakes his head, and goes to the tunnel. No. 3 lies on his bunk and relaxes.
- 9:00 No. 2 gets a Coke. No. 5 washes up the dishes. No. 1 puts down his magazine and watches "Laugh-In" again. No. 2 gets a magazine; No. 4 and No. 1 talk a bit, initiated by No. 4 making a comment about a skin shot in the "Laugh-In" show.
- 9:04 No. 1 turns down the volume of the TV. He says to No. 5 "No. 5, we've got to hit the water in 25 minutes." No. 4 goes to the wet room.
- 9:05 No. 1 goes to the wet room. No. 4 and No. 1 start to suit up. No. 3 is relaxing on his bunk. No. 2 is reading a magazine. No. 5 is watching TV (?) and washing dishes.
- 9:09 No. 1 goes to the crew quarters. He and No. 2 go to the bridge. No. 1 turns off the show after asking No. 2 if anyone was watching.
- 9:10 No. 2 puts on a cassette of light music. He reads his magazine in the bridge. No. 1 returns to suiting up in the wet room.
- 9:14 No. 5 finishes washing. He goes to the wet room and suits up.

9:17 No. 2 finishes his magazine. He goes back to work at a desk.

9:25 No. 2 puts on a cassette of Simon and Garfunkle.

9:26 No. 1 asks No. 2 for a Coke over the intercom. No. 2 goes to the crew quarters. He gets a Coke, goes to the engine room and hands down the Coke to No. 1 in the wet room. No. 2 returns to the bridge to work at a desk.

9:31 No. 5 is in the water. No. 4 is in the water.

9:32 No. 1 is in the water.

9:35 No. 2 puts on a cassette of light background music, and continues to work.

9:44 No. 2 puts on a cassette of the music of Simon and Garfunkle. No. 3 is still relaxing in his bunk.

10:05 No. 2 puts on another cassette of Simon and Garfunkle.

10:07 No. 2 looks over the leisure facilities. He turns up the Simon and Garfunkle. Then he fiddles with the tape recorder.

10:09 No. 2 puts on Nillsen singing "Everbody's Talking." No. 2 goes back to work.

10:14 No. 2 puts on some music by Copeland.

10:16 No. 3 goes to the bridge. He asks No. 2 about who is diving. He gets a magazine.

10:18 No. 2 puts on a cassette of samples of jazz, the Dvöřak Symphony No. 4, a violin concerto, etc.

10:19 No. 1 returns from his dive. No. 4 and No. 5 are still out.

10:34 No. 1 goes to the head.

10:36 No. 2 puts on a cassette of Vivaldi. No. 1 comes to the bridge and talks to No. 2. No. 3 goes to the crew quarters and works.

10:40 The Vivaldi continues. No. 1 and No. 2 continue to chew the fat.

10:44 No. 2 puts Bach on the tape recorder. No. 4 returns from his dive.

10:46 No. 5 returns.

10:48 No. 1 goes to the crew quarters and gets a snack.

10:49 No. 1 is reading in his bunk. His curtain is half-closed. No. 3 is still working in the crew quarters.

10:51 No. 2 puts on a Mozart Piano Concerto.

11:05 No. 2 goes to the crew quarters. He talks to No. 3 a minute, then gets a snack.

11:06 No. 2 and No. 5 go to the bridge. No. 5 makes some notes. No. 2 watches from a distance holding his camera. He then looks out the viewport. He waits for No. 5 to move on, then he sits at No. 5's place when No. 5 leaves.

11:08 No. 5 returns to the wet room.

11:09 No. 2 leans back and relaxes, with his feet on the desk.

11:16 No. 3 gets a snack. No. 4 goes to the head, then goes back to the wet room.

11:19 No. 3 goes back to work.

11:21 No. 1 closes the curtains of his bunk to go to sleep.

11:21 No. 2 puts on a cassette of Vaughn Monroe singing.

11:30 No. 5 goes to the bridge and looks around. No. 2 is still there, working.

11:31 No. 4 goes to the head. No. 3 finishes his work, and gets another snack.

11:32 No. 3 goes to the bridge, then to the engine room. He waits for No. 4 by looking out the engine room viewport.

11:34 No. 4 goes to the bridge. No. 3 goes to the head. No. 4 puts in his eardrops.

11:35 No. 4 gets out his camera. He takes a picture of No. 2 and No. 5 at work. No. 3 goes to the cupola.

11:37 The topside engineer asks No. 4 about the engine room TV monitor.

11:39 No. 4 goes to the engine room. He fools with the TV camera. No. 5 checks the TV picture of the engine room for him in the bridge.

11:41 No. 4 fixes the TV camera. He goes back to the bridge. He goes back and forth from bridge to engine room to find good focus. No. 5 is helping.

- 11:43 No. 4 and No. 5 talk just a sentence or two. No. 4 asks No. 5 if he wants a Coke.
- 11:43 No. 4 goes to the crew quarters and gets the Cokes. He goes back to the bridge. No. 2 puts on a cassette of band music. No. 4 looks out the viewport, and then gets something out of the head.
- 11:45 No. 3 goes to the bridge. He looks at No. 5. Then he goes to the crew quarters and looks at his bed. No. 4 and No. 5 are working on stamping the mail.
- 11:47 No. 2 puts on a cassette of the singing of Englebert Humperdink. No. 3 puts on his pajamas.
- 11:50 No. 3 takes out his contact lenses, turns out lights in the crew quarters and goes to bed. No. 2 goes to the head. The music is over.
- 11:52 No. 2 goes to the wet room and tinkers with gear.
- 11:53 No. 2 goes to the bridge. No. 4 is drinking a Coke. No. 2 gets a magazine and looks at the pictures.
- 11:56 No. 2 goes to the crew quarters. He gets a snack. He gets ready for bed in the dark.
- 11:58 No. 5 is watching two-way TV. He tries to identify the topside crew, asking No. 4 for confirmation of their names. No. 2 goes to bed.
- 12:00 No. 4 and No. 5 look at a microscope.
- 12:01 No. 5 goes to the wet room. He works. No. 4 tidies up the desks in the bridge.
- 12:05 No. 5 turns the lights off in the wet room. He goes to the head. No. 4 reads. The topside engineer tells No. 4 there is no camera attachment for the microscope. No. 4 is disappointed.
- 12:09 No. 4 puts on the Herb Alpert cassette. Then he turns it off.
- 12:10 No. 5 goes to the crew quarters and bed.
- 12:11 No. 4 puts the cassette of Herb Alpert back on. He shuffles some papers and works.
- 12:21 The tape is over. No. 4 goes to the engine room. He looks out the viewport, then he goes to the head.

12:25 No. 4 goes to the bridge. He closes the curtains. He gets out his bed.

12:28 No. 4 puts the lights out and goes to sleep.

Observations end for the evening.

## DAY 6

- 4:38 p.m. No. 4 is reading off his postdive rebreather checkout list to topside. No. 1 and No. 2 are just in from a dive. No. 3 is working at his usual station in the wet room. No. 5 is in the head.
- 4:40 No. 5 watches the others from the engine room. Then he gets a piece of apparatus from the bridge and goes to the wet room.
- 4:41 No. 4 goes to the bridge. No. 5 follows. They both sit at a desk. No. 5 watches the two-way TV. No. 5 asks No. 4 about a big pile of letters to be stamped, all from the same person topside.
- 4:45 No. 5 goes to the refrigerator and gets a Coke. No. 4 fiddles with the air sample jar for topside biomedical research. He starts working on his habitability forms. No. 4 watches two-way TV.
- 4:47 No. 1 goes to the head. No. 2 watches fish in the wet room. No. 3 looks out the viewport of the wet room.
- 4:48 No. 1 goes to the crew quarters. He gets a snack. No. 2 goes to the shower.
- 4:50 No. 4 stamps envelopes.
- 4:51 No. 5 watches No. 4 stamp, and asks about the mail.
- 4:52 No. 4 gets out his camera. No. 3 goes to the viewport in the engine room. Then he goes to the bridge, to the leisure kit. No. 4 and No. 5 talk about No. 4's camera.
- 4:53 No. 5 takes a picture of No. 4 stamping letters. No. 3 asks about something and watches No. 4 and No. 5. No. 2 puts his clothes on.
- 4:56 No. 5 takes another picture. No. 3 fools with a bag and a ruler. No. 1 finishes the last of the peanut butter. No. 2 works in the wet room with the gear. No. 4 and No. 5 chat in the bridge.
- 5:00 No. 5 finishes his Coke. No. 3 goes to the crew quarters.
- 5:01 No. 3 makes a comment to No. 1 and smiles. No. 1 makes no response. No. 3 goes to the bridge with a Coke. He sits and watches the 2-way TV and No. 4 and No. 5. No. 1 eats potato chips. No. 4 talks with No. 5 and No. 3 a bit about photography.
- 5:04 No. 2 goes to the bridge. No. 1 makes soup. No. 2 looks at the others, then goes to the head.

5:05 No. 1 lies on his bunk.

5:08 No. 2 comes out of the head. He puts his shirt on. Then he goes to the bridge and watches the others.

5:10 No. 2 glances through the Caribbean Reef Fish book. No. 1 works on his forms. No. 3 goes to the wet room with a bag. No. 4 and No. 5 chat about fish. No. 4 asks No. 2 about his dive. Then No. 5 asks No. 2 about his air tank. No. 1 writes a letter in the crew quarters.

5:18 No. 5 talks with No. 4 about postural positions in diving. No. 4 is lying on the floor while talking with him. No. 2 is in the leisure area of the bridge. No. 4 and No. 5 watch him, then No. 4 and No. 5 chat about the habitat and its scientific usefulness.

5:24 No. 2 goes to the crew quarters to his bunk. He gets a piece of paper and also a snack from the refrigerator. No. 2 is back to the leisure area of the bridge. Then No. 2 goes back for more of a snack.

5:28 No. 2 lies in the tunnel and writes. No. 3 is still working in the wet room.

5:33 Topside talks about the power with No. 4. Topside notifies the aquanauts support divers have left a pair of air tanks in the trunk.

5:34 No. 1 finishes his letter. He goes to the bridge and asks for the dive plan. No. 1 says "You don't have to explain, just put down your time." No. 5 and No. 1 hash out some general plans.

5:45 No. 2 joins the group in the bridge. No. 4 and No. 5 chat. No. 4 explains the dials for system monitoring.

5:50 No. 1 goes to the wet room and works. No. 3 goes to the crew quarters and fills out habitability forms. No. 2 writes while lying down in the tunnel.

5:54 No. 1 goes to the bridge and talks with topside.

5:57 No. 1 goes to the crew quarters. He get some paper on which to write. He sits at the table across from No. 3 doing his forms. No. 4 and No. 5 continue to chat in the bridge.

6:00 No. 4 asks if TV dinners are OK with the crew. He checks with each person. No. 1 replies, "I already had my supper." No. 4 asks, "Are you sure you don't want to eat again at seven, No. 1?" He gets no response.

6:01 No. 4 goes to the freezer. He gets out some TV dinners. No. 5 does his forms on the floor in the bridge.



- 6:03 No. 4 gets the food to the crew quarters. No. 1 leaves when he comes in and goes to watch the two-way TV in the bridge. No. 4 prepares the food. No. 1 works in front of the two-way TV.
- 6:08 No. 5 finishes his forms. He writes on the outside of the envelope containing the forms. Then he reads a book while kneeling on the floor in the bridge.
- 6:12 No. 3 finishes doing his forms in the crew quarters. He talks with No. 4 about the contrast between Tektite II and other underwater research projects that he has worked on. No. 4 drinks a Coke, then No. 4 gets the food in the oven. No. 3 and No. 4 chat.
- 6:16 No. 4 goes to the bridge. No. 5 returns his book to the leisure area. He puts it back along with his forms. No. 5 hands some mail to No. 3, then No. 5 goes to the crew quarters.
- 6:19 No. 3 and No. 5 chat in the crew quarters. No. 4 finishes some work, drinks a Coke, then does some other task, all at a desk in the bridge. No. 3 is signing mail. No. 3 and No. 5 continue their chat, and No. 5 is lying on his bunk. (NOTE: The aquanauts are sometimes asked to sign as well as stamp mail dispatched through them from the ocean floor.)
- 6:23 No. 5 reads a book in his bed. No. 3 is drinking coffee and sitting at the table. No. 1 is still writing by the two-way TV. No. 4 is sketching with felt markers. Then he starts writing letters.
- 6:25 No. 3 and No. 5 go to the bridge to talk with No. 4 about the mail. No. 1 goes to the head.
- 6:28 No. 3 goes to the wet room. He checks the viewport in the engine room on the way.
- 6:31 No. 3 returns to the bridge and checks the leisure area while whistling.
- 6:32 No. 3 again goes to the wet room. No. 1 returns to the bridge, sits down, leans back, and reads a magazine.
- 6:34 No. 1 asks about the sewer line and what parts of the habitat are served by it.
- 6:35 No. 1 looks over the dive schedule. No. 4 asks No. 1 why he didn't put himself in the schedule. No. 2 is still writing in the tunnel.
- 6:40 No. 1 asks No. 4 about which habitability forms are due today. No. 2 is writing a letter in the tunnel.

- 6:41 No. 1 puts on Herb Alpert in the bridge. He works in front of the two-way TV. No. 4 is drinking a Coke. He makes plans to change the Baralyne. No. 4 jokes to topside that No. 2 doesn't like TV dinners and No. 1 is a maniac about time.
- 6:45 No. 1 says he is going to produce more data than 16 other missions could combined.
- 6:47 No. 4 wants to get everyone's address. No. 1 turns over the Herb Alpert tape and goes to the crew quarters. No. 2 goes to the bridge.
- 6:48 No. 1 comes back and then goes to the wet room with an envelope. He works there. No. 2 stamps envelopes in the bridge. No. 3 turns up the Herb Alpert music. He reads in front of the two-way TV. No. 2 is in front of the leisure time area. No. 4 asks No. 2 for help with a power supply. No. 4 goes to the wet room. No. 2 goes to the engine room. The two of them move the power supply. They stay in the engine room together, positioning the power supply.
- 6:54 No. 2 goes to the bridge. No. 4 works on the power supply, then goes to the bridge. No. 4 works with a roll of film.
- 6:55 No. 3 and No. 4 talk about *seguitera*. No. 2 works while standing up.
- 6:56 No. 1 goes to the crew quarters. He gets something from his personal area.
- 6:58 No. 1 returns to the wet room. In the bridge, No. 4 asks No. 2 about the name of a fish. No. 5 goes to the stove in the crew quarters and asks No. 4 about the food cooking there. He takes it out of the stove. No. 4 and No. 2 talk about fish, using the fish book, Caribbean Reef Fish. No. 4 shows No. 3 some fish he and No. 2 saw. No. 3 talks about some strange fish he saw, one type eating parasites off another.
- 7:00 No. 5 goes to the bridge. No. 3 explains what he is talking about to No. 4. He shows him the species with the fish book. No. 2 wanders over to the leisure area, comes back and looks at the book with the others. The Herb Alpert music ends. No. 2 uses the book to show the others some fish he has seen.
- 7:02 No. 5 says dinner is served. All four aquanauts on the bridge go to the crew quarters. No. 4 gets out chairs. There is more talk about fish. No. 1 is still working in the wet room. No. 2 puts a cassette of guitar music by Segovia on the tape recorder. The aquanauts joke about their shirts. They then talk about TV dinners, Polaroids, Nepal, and rice. There is constant conversation.

- 7:30 No. 4 offers the others coffee or tea. No. 3, No. 4, and No. 5 talk about their night dive. They discuss basket starfish and various fauna they will see.
- 7:36 No. 1 comes to the crew quarters. He puts some gear on his bed, then goes back to the wet room at 7:37. The others are eating banana cake.
- 7:43 No. 1 and No. 3 go to the bridge, one from the wet room, the other from the crew quarters. Topside notifies them No. 1's topside support is there to talk with him. No. 1 asks one of them to go to the Bogen phone.
- 7:44 No. 1 goes to the Bogen, No. 3 to the wet room.
- 7:45 No. 5 goes to the two-way TV in the bridge and watches it. No. 4 puts the chairs and table away. He cleans up the crew quarters.
- 7:46 No. 5 goes to the wet room. No. 3 and No. 5 start to prepare for the dive. No. 2 goes to his bunk to get some things from his personal drawer.
- 7:48 No. 2 goes to the wet room. He chats with No. 3 a second.
- 7:44 No. 4 goes to the bridge. Then to the engine room. He looks out the viewport, then he goes to the wet room. No. 4 and No. 5 discuss the dive plans.
- 7:53 No. 3 goes to the head, then back to the wet room. No. 2, No. 3 and No. 5 suit up. No. 4 assists with pinger checks, etc.
- 8:05 No. 1 is still on the Bogen in the crew quarters.
- 8:09 No. 2, No. 3, and No. 5 are in the water. No. 4 waits to get the sign to turn on some outside equipment for No. 5.
- 8:13 No. 4 turns on the outside equipment for No. 5. Then he goes to adjust something in the crew quarters. Then he goes to the bridge and asks topside if the TV image is better. It is. Then he looks at the monitoring meters and talks with topside. He reads his mail, and looks over the many envelopes to stamp. He engages in more communication with topside. Then No. 4 goes to the engine room, looking for something.
- 8:20 No. 4 returns and reads in the bridge. No. 1 is still on the Bogen in the crew quarters. He finishes with one topside support crew member, and starts with another.
- 8:25 No. 4 gets the power supply from the engine room and takes it to the bridge and works on it.

- 8:30 No. 1 finally finishes with the conversation topside. Then No. 1 goes to the wet room and then to the bridge looking for something. There is little conversation but No. 1 asks a question about gear, and No. 4 is not sure how to answer.
- 8:36 No. 4 goes to the engine room and gets ready for a Baralyme change.
- 8:37 No. 1 puts on the Herb Alpert cassette in the bridge. He finds some electrodes, tinkers with them, and reads.
- 8:40 No. 1 turns up the song very loudly that he danced to last night.

This is the end of observation for this day.

## DAY 7

- 4:45 p.m. No. 2 and No. 5 are in the crew quarters listening to a cassette of the music of Ravi Shankar. No. 2 and No. 5 are lying on their bunks. No. 2 is reading a book with fish pictures in it. No. 1 is working in the wet room. No. 3 and No. 4 are out on a dive.
- 4:53 No. 2 looks out the viewport in the crew quarters. He looks for a new cassette for the tape recorder. He goes to the bridge and goes slowly through the cassette selection. No. 1 gets a ring on the phone from the Pinafore (the barge above the habitat). He talks to his topside support.
- 4:58 No. 1 hangs up the phone. He is working near the dryer.
- 5:00 No. 2 finally picks a cassette, Glen Campbell. He sits at a desk in the bridge and works while the music plays.
- 5:01 No. 1 goes out into the water on hooka with some sample containers he has just fixed. No. 2 goes to the engine room, then back to the bridge.
- 5:07 No. 2 turns up the Campbell cassette, checks the two-way TV, and looks around. He goes back to work at 5:09.
- 5:11 No. 1 returns to the wet room after sending up his containers to his support crew on the Pinafore. No. 3 returns briefly to the habitat right after No. 1. He puts some buckets in the wet room and leaves again at 5:13. No. 3 returns again at 5:15. No. 1 calls the Pinafore but there is no answer. No. 1 goes to the bridge. No. 2 puts on the flip side of Glen Campbell. Together they both look at the two-way TV and talk a bit.
- 5:17 No. 4 is back.
- 5:18 No. 1 (on the intercom): "I'll do your postdive check. First of all your hair's a mess. Comb your hair before you come into this habitat." No. 1 continues to watch the two-way TV.
- 5:20 No. 5 gets out of his bunk. No. 1 and No. 2 are laughing. No. 5 goes to the bridge and looks at them. No. 5 sits in the tunnel with a book. No. 3 and No. 4 talk in the wet room as they unsuit. No. 1 continues to watch the two-way TV and talk with No. 2. No. 2 is watching the two-way TV too. No. 4 helps No. 3 with his wet suit and diving gear.
- 5:25 No. 1 and No. 2 talk. They still look at the two-way TV frequently, especially No. 1.
- 5:26 No. 2 puts on a Peggy Lee cassette. No. 5 is still reading and sitting in the tunnel.

- 5:31 No. 5 goes back to the crew quarters to his bunk. No. 2 and No. 1 continue to chat and check the two-way TV every so often.
- 5:37 No. 2 puts on a new tape of the Serendipity Singers singing about "Cotton Fields". No. 1 and No. 2 still chat idly. No. 3 and No. 4 are mostly working. Occasionally, they talk a little about equipment. No. 1 and No. 2 talk about the topside engineer while watching topside on the two-way TV.
- 5:47 No. 5 goes to the wet room. He asks No. 3 and No. 4 about their dive. All three fiddle with diving equipment.
- 5:49 No. 4 goes to the bridge. No. 1 and No. 4 talk a bit. Then No. 1 and No. 2 talk about the pictures of fish in the Caribbean Reef Fish book. Then No. 1 and No. 4 talk about the name of the watch director topside. No. 4 proposes some ukulele music, but No. 2 puts on a cassette of hard rock. No. 1 talks about a trip he and his wife once took. No. 1 starts playing the ukulele and continues for a long time. No. 5 comes to the bridge and reads his mail. No. 2 sits back and relaxes. No. 4 talks to topside about his camera.
- 6:00 No. 4 goes to the wet room and gets the rebreather postdive check-out sheet. No. 3 goes to the crew quarters and combs his hair.
- 6:02 No. 3 gets a Coke.
- 6:03 No. 3 goes to the wet room with his Coke. No. 2 still has his hard rock on the tape recorder in the bridge. No. 1 is sort of playing the ukulele along with the rock music.
- 6:05 No. 2 continues his cassette "Everybody Had a Good Time." No. 1 still plays along with it. No. 5 goes to the crew quarters and puts his letter in his bunk. No. 3 reads off the rebreather checklist to topside. No. 5 goes to the wet room.
- 6:07 No. 1 quits playing the ukulele. He gets a Coke and gets in his bunk with a book. No. 2 is working in the bridge. No. 3, No. 4, and No. 5 charge air tanks in the wet room.
- 6:08 No. 2 puts on a symphony and works in the bridge. No. 3, No. 4 and No. 5 chat about their dives today. No. 4 says he is going to try to make some sketches outside in the water, then expand on them back inside.
- 6:14 No. 3 goes to the bridge, No. 4 is in the shower. No. 3 gets something and takes it to the crew quarters. He puts it in his bunk. Then he tinkers in the crew quarters. No. 4 talks with No. 5 in the wet room. He wants to copy the design from the back of one of the marine fauna he has seen.

- 6:19 No. 3 goes to his bunk and reads. No. 2 puts on the cassette of "Gaieté Parisienne". No. 4 continues to talk about designs and forms in nature.
- 6:21 No. 4 asks No. 5 about supper.
- 6:22 No. 4 goes to the bridge and takes a picture of the two-way TV.
- 6:24 No. 4 asks No. 2 if he wants a TV dinner. He takes another picture, then asks No. 1 and No. 3 about TV dinners through the hatchway to the crew quarters. He asks No. 3 to put the oven on at 400°F. No. 4 goes to the head.
- 6:28 No. 4 gets the TV dinners from the freezer.
- 6:29 No. 4 takes the food to the crew quarters.
- 6:30 No. 5 goes to the bridge. He looks at No. 2's work. There is some talk about their dives today and the fish they saw. Then No. 5 reads the Caribbean Reef Fish book in the bridge. No. 4 cooks. No. 2 and No. 5 engage in some conversation. No. 5 also talks with No. 4 about the fish book through the hatchway between the crew quarters and the bridge. No. 5 is in the bridge, No. 4 is in the crew quarters, and the book is passed back and forth from one to the other.
- 6:38 No. 5 pulls No. 2 into the conversation and says to him that No. 4 saw some mating today, just as No. 2 and No. 5 did yesterday. No. 5 is lying on the floor. No. 2 stands nearby. No. 4 looks up through the hole.
- 6:39 No. 4 goes back to cook. No. 5 asks for a Coke. No. 4 passes up one to him. No. 2 and No. 5 continue the conversation, and No. 4 then joins them in the bridge. The three sit on the floor and talk about fish.
- 7:00 No. 4 is now lying on the floor of the bridge, still with the fish book. No. 2 is sitting on a chair talking with No. 4. No. 1 is in his bunk with his curtain closed. No. 3 is still on his bunk. No. 5 is looking at a book in the bridge.
- 7:05 No. 2 goes back to work in the bridge. No. 4 leafs through his book.
- 7:07 No. 3 gets out of his bunk.
- 7:08 No. 4 gets something in the bridge for No. 3 in the crew quarters. No. 4 organizes things and straightens up in the bridge. No. 3 writes in the crew quarters.

- 7:16 No. 4 goes to the crew quarters. He checks the food cooking, then gets it out of the oven.
- 7:21 No. 2 goes to the head.
- 7:25 No. 3 and No. 4 eat their TV dinners. There is no conversation. (This may be partially due to No. 1's being asleep.)
- 7:28 No. 1 wakes up and asks No. 4 a question about whether he is going out on a dive tonight. No. 1 sits on his bunk, gets up, yawns, stretches, and asks if the TV dinners aren't too bad. Then No. 1 looks in the refrigerator.
- 7:30 No. 5 goes to the head. No. 2 goes to the crew quarters; he also looks in the refrigerator. No. 1 snacks. No. 2 drinks a can of soda. No. 1 and No. 2 chat. No. 1 cuts a cake.
- 7:32 No. 5 goes to the crew quarters. He tinkers with things on his bunk. No. 1 and No. 2 snack. No. 3 and No. 4 eat. No. 5 watches. There is some talk about things in base camp and the NASA van there. No. 5 talks about automation.
- 7:38 No. 1 is still having his snack. No. 1 and No. 2 continue to talk. No. 5 asks for an orange (he couldn't reach it). No. 2 is still snacking. No. 5 eats the orange. They talk about NASA, and how guys on NASA missions can go "bananas." They then talk about the habitat curtains. No. 4 says they are edible. No. 2 looks at a book in the crew quarters, while the others continue to chat.
- 7:52 No. 3 goes to the bridge and works. No. 5 asks No. 3 for a newspaper clipping that he showed him earlier today. This is a story in the paper that he ran across that is about them.
- 7:55 No. 3 puts on a cassette of the singing of Mario Lanza.
- 7:57 No. 3 goes to the wet room to work.
- 7:58 No. 4 and No. 5 go to the bridge. Then No. 4 returns to the crew quarters to fix the lights. He talks with No. 1.
- 7:59 No. 1 and No. 4 go to the bridge.
- 8:00 No. 4 talks to topside from the bridge. No. 1 gets the dive plan underway. No. 1 calls No. 3 to come to the bridge for the dive plan.
- 8:05 All five aquanauts are in the bridge. No. 1 and No. 2, No. 3 and No. 5 talk about the dive plan. No. 4 talks with the topside engineer about some gauge readings. Then No. 4 works on these readings while the others pick their dive times for tomorrow.



- 8:13 No. 5 looks through the mail. He opens bundles of letters to be postmarked.
- 8:15 No. 1 says "This mission's sure going to pieces. Let's really ball it up tomorrow, show movies, and take pictures. We'll go out with a straw and tubing instead of regulators. Would the watch director catch it?"
- 8:19 No. 4 asks topside for a new Playboy magazine. He continues to chat with topside, about the idea of getting away to Puerto Rico. The other aquanauts sort of stand around awkwardly in the bridge.
- 8:23 No. 4 ends his chat with topside. No. 1 and No. 4 are lying on the floor. No. 2 takes their picture. No. 3 sits on the railing and watches. There is more talk about NASA.
- 8:27 No. 4 works on taking the gauge readings.
- 8:28 No. 2 asks what is it No. 4 is doing. No. 1 asks if they have to put 25 cents in the slot to keep the habitat going.
- 8:29 No. 3 goes to the wet room to work. No. 2 looks through a book with pictures in it in the bridge.
- 8:30 No. 1, No. 2 and No. 4 talk about the feeling of being upside down in the water. No. 4 does some off-color joking. Then No. 5 talks with No. 4 about catching fish in a slurp gun.
- 8:35 No. 2 puts on a cassette of a male popular singer. He honks the alarm horn, then turns it off. Then on and off again. Then he goes to the leisure area, and gets a copy of Playboy. No. 1 asks about seeing a movie. The others are all socializing in the bridge.
- 8:37 No. 3 is still working in the wet room. No. 1 asks about showing "The Mask of Sheba." Then he suggests the award winning commercials. No. 2 is still reading his magazine. No. 4 and No. 5 talk about fish. No. 2 shows No. 1 a joke in Playboy. No. 1 suggests calling the base camp physician at 3 a.m. for No. 2's abdominal pain. Then they should stage a mock birth.
- 8:42 No. 5 goes to the wet room and gets a book.
- 8:43 No. 5 goes to the bridge; he works at a desk.
- 8:45 The film of the 50 best commercials starts. No. 1 and No. 2 look at Playboy. No. 5 works at a desk. No. 4 works in the bridge. The lights in the bridge are on.

8:47 No. 1 goes to the crew quarters, turns the light off and watches from there. No. 2 watches the film for awhile in the bridge, and then he goes to the leisure area again. He flips through the things there. No. 4 watches from the railing in the bridge. No. 3 continues to work in the wet room.

8:50 No. 4 and No. 5 talk about fish. They go to the wet room and talk some more. No. 4 and No. 5 suit up for their dive tonight.

8:57 No. 2 finishes Playboy. He looks up at an ad showing Hitler with eggs on the TV.

8:58 No. 2 looks through the rest of the leisure material. No. 5 goes to the head.

8:59 No. 2 goes to the crew quarters. No. 5 returns to the wet room.

9:04 No. 1 goes to the bridge. He fiddles with the two-way TV checking on what's going on topside and in the wet room. He returns to the crew quarters. No. 4 and No. 5 talk about their regulators while they are suiting up. They say that the regulators are the same as those used on Tektite I. They have not been reconditioned. There is no reserve on one of the air tanks.

9:07 No. 3 goes to the crew quarters.

9:10 No. 1 goes to the bridge to put on the other side of the TV tape. He does and goes back to the crew quarters.

9:14 No. 3 goes to the bridge. He watches the film, there is a pause in the action. No. 3 goes to a desk and stands around.

9:15 Then No. 3 waits by the tunnel. Then there are more commercials. He sits in front of the TV to watch.

9:17 No. 4 and No. 5 are in the water.

9:18 Topside asks for No. 1. There is no response. They call twice. No. 3 calls to the crew quarters and tells him. No. 1 answers. No. 1's topside support has some figures to read to him. No. 1 tells them to bring them to Pinafore tomorrow morning and call him from there.

9:28 No. 3 goes to the wet room and works.

9:29 The film ends. No. 1 goes to the bridge and looks for another.

9:44 No. 3 goes to the bridge, opens a log, and works for a minute. Then he puts it away and gets a magazine.

9:45 No. 1 puts on "The Mask of Sheba."

9:45 No. 1 returns to the crew quarters. He watches the film with No. 2. There is some small talk but it is mostly quiet. No. 3 watches from the bridge with his magazine on his lap.

9:48 No. 5 is back from his dive.

9:50 No. 4 waits for No. 5 in the well.

9:55 No. 5 goes back in the water. He talks with No. 4 in the well.

9:59 No. 4 and No. 5 are finally out again, continuing the dive. The others continue to watch "The Mask of Sheba." No. 2 may also be doing some reading.

10:24 No. 5 returns.

10:28 No. 4 returns. They unsuit; there is some talk about something they still want to get. Then they go back into the well for awhile.

10:30 No. 3 puts his magazine away. He is now standing in front of the TV. He watches, then turns the lights off and goes to the crew quarters.

10:45 No. 4 watches through the wet room viewport for oxygen bottles to be delivered from topside. No. 5 showers; No. 4 talks to him about the need to improve the design of the wet room. He is trying to figure out how to make more room. He also thinks they need a plastic garbage can to fill the tanks in the wet room.

10:50 No. 1 goes to the head. No. 3 returns to the bridge to work at a desk. The movie has stopped. The light has been on in No. 2's bunk all this time and is still. He is reading there.

10:52 No. 1 comes out of the head and goes to the bridge. He talks with No. 3. No. 1 walks around while he talks. No. 4 is taking a shower and No. 5 is fixing some equipment in the wet room.

10:54 No. 4 gets out of the shower. He gets the camera and oxygen bottles that have been delivered in the well. No. 1 is standing in the bridge.

10:56 No. 3 puts on a cassette of "Gaieté Parisienne". No. 3 goes to get something to drink. He stops the cassette before leaving.

10:57 No. 1 finally gets the film working again. He goes to the crew quarters. He says to No. 3 that he thinks they missed some of the original film in making the tape.

11:01 No. 3 goes to the bridge. He puts the lights out and watches from there. No. 4 and No. 5 talk in the wet room. No. 4 puts away the camera and the oxygen bottles, then asks No. 5 if he wants a Coke.

11:06 No. 4 goes to the crew quarters to get two Cokes.

11:07 No. 4 goes to the engine room. He checks a meter and hands down a Coke to No. 5. No. 4 goes to the head.

11:10 No. 4 looks over the engine room, then goes to the bridge. He moves things around in the dark, then sits at a desk and makes a quick sketch using just the desk light. He then goes back to the head. He gets his Coke out of the head where he left it, then goes back to the bridge and watches the movie with No. 3. No. 5 works with samples in the wet room.

11:14 No. 4 works at his desk. The lights are out in the bridge but there is an independent light over the desk.

11:21 No. 5 finishes fixing a regulator.

11:21 No. 5 goes to the bridge. He looks over the scene, then talks a bit with No. 3. Then No. 5 walks around and talks with No. 4. They make a plan about the samples that No. 5 is collecting.

11:25 The movie is over. No. 3, No. 4, and No. 5 are all working in the dark with local independent lights in the bridge.

11:26 No one turns on the lights. No one does anything about the film. No. 3 wanders off to look through the viewport. No. 4 and No. 5 talk a bit.

11:29 No. 3 comes back. He remarks on a large snapper he saw. Then No. 5 talks about an octopus he saw while diving. No. 3 thinks there are more tarpons than usual tonight.

11:30 No. 3 goes back to the viewport.

11:32 No. 3 comes back from the viewport. He wonders about a lamp for taking moving pictures in the habitat.

11:33 No. 4 puts on the overhead bridge light. He rewinds the TV tape. He asks if No. 5 wants to watch anything. No. 5 says no, he might go to bed.

11:35 No. 2 goes to the head. No. 5 sees the snapper in front of the viewport. No. 4 drinks a Coke. He checks the TV and waits for the film to rewind. No. 3 goes to the crew quarters.

- 11:36 No. 5 goes to the crew quarters. No. 3 and No. 5 talk in the crew quarters. No. 2 comes out of the head; he looks out of the engine room port, then goes to the bridge. He watches No. 4 work at a desk. Then No. 2 goes to the crew quarters.
- 11:39 No. 5 goes to the bridge with a coke. No. 4 and No. 5 talk about the Caribbean Reef Fish book. They also discuss the strength of the viewport glass.
- 11:41 No. 3 goes to the head.
- 11:44 No. 3 goes to the engine room. He fiddles with a long ribbon.
- 11:45 No. 3 goes to the wet room, then to the bridge. He looks at No. 4 and No. 5, then goes to the crew quarters. No. 2's bunk light is now out. No. 3 goes to bed. No. 4 and No. 5 still chat in the bridge about safety rules, tape recorders, the viewports, learning how to see through the viewports, abalone diving, and spotting relics while diving.
- 12:05 No. 4 is drawing a picture with the felt markers.
- 12:09 No. 5 flips through the TV monitors.
- 12:10 No. 5 goes to the head. No. 4 works at a desk.
- 12:13 No. 4 gets out his bed. He puts out the sheets, then makes some further notes at the desk and throws away some scrap.
- 12:15 No. 4 closes the curtains to the engine room. The cut in noise from the bridge mike is very noticeable. No. 5 comes out of the head and goes to the crew quarters. No. 4 and No. 5 exchange goodnights.
- 12:16 No. 4 goes to the head.
- 12:17 No. 4 goes back to the bridge. He puts the lights out. Then he looks out the port for awhile.
- 12:20 The bed collapses as he sits on one side of it. He fixes it. Then he sits on it again and skims a magazine in the dark (the desk light is still on). He finds the part he wants and reads.
- 12:22 He is skimming some more.
- 12:27 No. 4 goes to bed.

Observations end here for Day 7.

## DAY 8

- 4:55 p.m. No. 2 and No. 3 are in the crew quarters with a tape cassette of the St. Matthew Passion playing in the background. No. 2 is writing. No. 4 and No. 5 chat in the bridge about the pony bottles' function in the rebreather apparatus. No. 1 is in the wet room talking on the field phone to his topside support about the mission.
- 4:57 No. 5 is writing. No. 4 is fixing equipment. In the crew quarters, No. 2 and No. 3 are both writing.
- 4:58 No. 4 takes a picture of No. 5, then goes to the refrigerator in the crew quarters.
- 4:59 No. 5 goes to the crew quarters, puts something on his bunk, and gets some equipment.
- 5:00 No. 4 returns to the bridge. No. 5 goes to the wet room and talks to No. 1 about the dive plan. No. 4 stamps letters in the bridge.
- 5:02 No. 4 goes to the wet room with a camera. No. 1 is back on the phone, then he hangs up and goes back to work. No. 4 and No. 5 work on the bilge pump. No. 5 gives No. 4 a research sample. No. 1 asks No. 5 to call topside about the dive plan.
- 5:04 No. 4 takes a picture of No. 1 and No. 5 at work. No. 1 and No. 5 engage in some slight talk. No. 4, with his camera, goes to the bridge. No. 1 and No. 5 work on opposite sides of the wet room. No. 4 works on the bridge.
- 5:08 No. 1 turns off the bilge pump.
- 5:12 No. 1 again talks to his topside support on the field phone. No. 4 is in the bridge writing.
- 5:15 No. 1 asks No. 5 about why he plans to work all night tonight. No. 5 wants to go back and forth from the habitat to a spot outside all night. No. 1 suggests No. 5 put his weight belt on his scuba-tank, leave the tank out in the water, and then move from hookah to the underwater tank. Then he can put on the tank easily in the water and go to his observation spot. No. 1 asks No. 5 if No. 4 has the screwdriver. No. 5 answers yes.
- 5:19 No. 1 goes to the bridge to get the screwdriver. No. 5 goes to the bridge as No. 1 returns to the wet room.
- 5:20 No. 5 speaks to the watch director and requests the dive plan for tonight be okayed. No. 4 adjusts the TV picture for him, then goes back to writing.
- 5:25 No. 4 checks the engine room.

- 5:28 No. 4 returns. No. 4 and No. 5 talk about fish, informally.
- 5:31 No. 3 goes to the bridge. The topside engineer jokes with No. 4 on the two-way TV.
- 5:33 No. 5 and No. 4 talk about a fish book. No. 3 watches, then No. 3 asks the others for some stamps. No. 4 gives him 10.
- 5:35 No. 2 snacks in the crew quarters. A tape cassette of the St. Matthew Passion has been on steadily since 4:55. It ends, and No. 2 puts on a violin concerto in its place.
- 5:36 No. 3 gets something from the bridge and then goes back to the crew quarters. No. 2 is still writing. No. 4 and No. 5 watch fish through the viewport. No. 4 is making a drawing. There is more talk about the fish book.
- 5:45 Topside says no to No. 5's request for all night excursions alone. No. 5 requests reconsideration. No. 4 backs up No. 5. No. 4 says he can see the dive site from the wet room window.
- 5:48 No. 1 goes to the bridge. He suggests to topside they have a safety diver over No. 5 while he swims, and let him go ahead.
- 5:50 No. 1 asks if No. 4 wants a rum and Coke or a martini (they have none); then he goes to the crew quarters and gets a Coke. No. 4 and No. 5 in the bridge talk about drinking. No. 1 says something to No. 3 in the crew quarters about drinks, then No. 1 talks with No. 2 and there is a lot of laughter.
- 5:55 No. 1 still talks with No. 2 while he stands on the ladder. No. 4 and No. 5 talk shop on the bridge.
- 5:57 No. 1 goes to bridge and talks to No. 4 about the lack of martinis and rum and Cokes. Then he talks about the mail. They check with each other on the name of the present watch director. Then No. 5 asks where is the tape topside made. (Some topside people taped some music for them.) No. 1 is complaining about the "Mask of Sheba," a film they watched yesterday, where a man wore the same T-shirt all over Africa without getting it dirty.
- 5:58 No. 1 puts on the topside tape. No. 1 jokes around with No. 4 and No. 5, as they also listen to topside's tape. No. 2 and No. 3 continue to write in the crew quarters. No. 1 suggests they make a cassette in return for topside including warning signals, air going out of the scuba tanks, flushing the head, and No. 3 in the ice box.

- 6:03 No. 1 goes to wet room. He receives a message from topside with an OK for No. 5 to go on his planned dives. No. 3 is in the crew quarters on the ladder. No. 4 is in the bridge. No. 3 and No. 4 talk about things to go up at the end of the mission. No. 1 is looking at something in the water in the well.
- 6:07 No. 1 is doing something in the water. No. 4 writes at a desk in the bridge. No. 5 watches No. 4 and chats. No. 2 and No. 3 are still writing in the crew quarters. No. 1 gets a sample and tinkers in the wet room. He phones the Pinafore. No. 4 and No. 5 discuss the dive plan for tomorrow.
- 6:14 No. 1 is off the phone to the Pinafore. He works in the wet room. No. 4 says to topside that No. 2 and No. 5 are going out on a dive at nine and will be back at midnight.
- 6:17 No. 2 goes to the bridge. No. 3 is still writing in the crew quarters. No. 4 plays the ukulele. No. 2 and No. 5 watch him play.
- 6:23 No. 2 gets a magazine. He reads while No. 4 plays "All My Love" on the ukulele. No. 5 is also reading while listening.
- 6:24 No. 2 goes to the head.
- 6:25 No. 1 calls the Pinafore. No. 4 is now singing "Shanty Town."
- 6:27 No. 4 is playing "Has Anyone Seen My Gal."
- 6:29 No. 4 is now on "The World is Waiting for the Sunrise." Meanwhile, No. 1 gets off the phone.
- 6:30 No. 3 is washing his hands in the crew quarters sink. He gets something out of his bunk. No. 2 goes to the crew quarters.
- 6:31 No. 1 is on the phone to the Pinafore again. No. 4 strums the uke. No. 5 reads. No. 3 gets something else from his bunk. Then he works in a journal.
- 6:32 No. 4 sings "Hey Jude". There is a message from topside for No. 3. No. 2 goes to the bridge and stands there with a Coke while watching. No. 1 explains something about some equipment on the phone to the Pinafore.
- 6:35 No. 3 reads his mail. No. 2 flips through a magazine. No. 4 puts down his ukulele and goes to the head. No. 5 reads. No. 1, now off the phone, works in the wet room.
- 6:38 No. 2 goes to the crew quarters. No. 5 takes his place at a desk, standing, then he goes to watch two-way TV. Then No. 5 looks in a cupboard above the TV. No. 2 is now writing in the crew quarters. No. 5 goes to the head. No. 4 is already there. No. 5 waits in the engine room.



- 6:39 No. 4 goes out of the head. No. 5 and No. 4 talk about the lights around the habitat.
- 6:40 No. 5 goes to the wet room and then back to the head.
- 6:41 No. 4 goes to the crew quarters. He suggests chicken chow mein for supper tonight. He tells No. 3 they have to eat everything before they leave. No. 2 and No. 3 look at the picture of the chicken chow mein on the can to try to figure out what it will taste like.
- 6:43 No. 5 goes to the crew quarters, and watches from a distance, No. 4 prepares the food. No. 5 looks at a camera on his bunk. No. 4 whistles. No. 5 shows No. 2 his camera. No. 2 and No. 5 talk about the camera. No. 3 is still writing.
- 6:50 No. 2 and No. 5 stop talking. No. 5 keeps it up for awhile. No. 2 watches; he can't seem to respond. No. 2 goes back to writing. No. 2 and No. 3 write while No. 4 cooks.
- 6:58 No. 1 goes to the bridge, then to crew quarters. No. 1 jokes around. He proposes smuggling in some fish and eating them instead of chow mein. No. 4 kids No. 1. No. 1 has some research notes written on toilet paper.
- 7:03 No. 1 says its results that count. No. 3 asks No. 1 to show them what they are. No. 1 starts, "You'll steal them and publish." No. 3 laughs and says he doesn't want to publish what's on toilet paper.
- 7:08 Topside is now on the Bogen with No. 4. No. 3 goes to bridge to work.
- 7:11 No. 1 goes to bridge and talks to No. 3. He looks over the two-way TV, then gets some paper. No. 3 is working. No. 1 writes.
- 7:13 No. 4 finishes on the Bogen and talks to No. 5. No. 2 writes letters.
- 7:15 No. 1 goes to wet room, then back to the bridge. No. 2 goes to bridge. They talk. No. 3 walks around in the bridge. No. 1 in the bridge shows No. 4 in the crew quarters what was sent down in the pressure pot. No. 1 writes, talks, and watches the two-way TV. No. 2 reads a magazine. No. 3 resumes working. No. 4 and No. 5 talk in the crew quarters.
- 7:21 No. 3 stamps letters. No. 2 puts on a jazz cassette. No. 2 and No. 1 get in an extensive conversation in the bridge. No. 1 does much gesturing. No. 4 and No. 5 talk in the crew quarters. No. 5 watches while No. 4 cooks.

- 7:21 No. 4 says, "Hey, No. 1 let's eat!" No. 1 says, "I'm not eating, I refuse to eat!" No. 4 tells No. 1 to get down there. No. 4 says, "Hey, No. 2, chow mein!" No. 3 says, "Lets eat." No. 1 and No. 2 talk in the bridge, both standing. No. 1 does much gesturing and laughing. The others talk in the crew quarters. No. 4 yells to No. 1, "We'll go ahead and eat yours." There is some talk between No. 4 and No. 5 about the acronym SNAFU.
- 7:31 No. 2 goes to crew quarters. No. 1 puts on a Nillsen cassette, lies on the floor, and watches the others through the hatchway. No. 1 makes a noose and hangs it down through the hole. Then he goes to the desk by the two-way TV and writes. No. 2, No. 3, No. 4, and No. 5 eat. No. 4 is serving. There is only a little conversation.
- 7:37 No. 1 turns up the cassette. They talk about making arrangements for their families and about white washing the causeway.
- 7:46 No. 1 comes down to the crew quarters. No. 1 talks about food. No. 4 kids him about writing on paper towels. They talk about research. No. 4 says your company ought to spend more for paper. No. 1 says, "I cry all the way to the firm." No. 3 says, "All you have to do is use 50 percent bad language and you can be a member of his firm." No. 4 says, "Turn that music down so I can tell you a story. No. 1 says, "I don't want to hear any Boy Scout stories." No. 4 tells the story, a dated dirty joke. No. 1 takes the camera normally pointing out the crew quarters viewpoint off its holder, and focuses it on each of the other aquanauts intently. No. 5 looks self-conscious. No. 3 ignores him, but says, "Topside can't believe we're not on alcohol." No. 1 proposes they have skits, and invite everyone topside to the command van. "I'm serious, we'll call ourselves the Tektite II players." No. 1 rolls around, still holding the camera and makes noises of wind and waves. No. 4 asks topside if they're having large swells on the surface. No. 1 takes a closeup of No. 2's chest, navel, and other parts of his anatomy. Somebody puts on a Supremes cassette. No. 4 switches the light on and off. No. 1 asks for flashlight. He pans in and out on No. 3 and No. 5. The overhead lights are turned out.
- 8:05 No. 4 goes to wet room, and gets flashlights. No. 1 turns the overhead lights off in the bridge. No. 1 and No. 4 get a psychedelic electronic tape. No. 2 takes the camera.
- 8:06 No. 4 takes the Supremes cassette off. He puts on the psychedelic tape, very loud. No. 2 is whirling the camera like mad. Aquanauts flash the flashlights on and off. No. 2 takes a closeup of No. 1's mouth open. No. 5 and No. 4 act completely insane, moaning and yelling. No. 5 has his tongue lolling way out. No. 4 has something stuck in his ear. No. 1 imitates a kookie little girl. No. 2 with the camera takes a closeup of their toes. No. 1 hugs a pillow, jumps like an orangutan on the table, and flapping his

arms, puts a pot on his head. The camera again takes closeup of the feet. Then a closeup of a cookie. No. 1 acts like a girl getting seduced.

- 8:20 No. 5 goes to wet room and No. 4 goes to bridge.
- 8:25 No. 2 takes a closeup of the relish and the food. No. 1, No. 2 operates camera; No. 4 returns to the crew quarters. No. 2 takes a closeup of their fingers, then a Tektite 2 envelope. No. 3 and No. 4 talk a bit.
- 8:27 No. 4 explains the dive plan to No. 1.
- 8:29 No. 3 goes to wet room.
- 8:30 No. 1 says, "I'd like to stay a week longer. I've got things rolling now." No. 1 dances in the crew quarters to the music. The camera is now back in its normal position, facing out the viewport. No. 4 goes to the wet room and suits up.
- 8:31 No. 2 goes to bridge, gets something, and hands it down to No. 1 in the crew quarters. No. 2 tinkers in the bridge. No. 1 drinks some coffee. No. 1 moves the table and chair, and opens the safety hatch.
- 8:36 No. 2 goes to crew quarters. No. 1 gets into the safety hatch. No. 2 goes back to bridge, tinkers, and looks for something.
- 8:37 No. 2 goes to crew quarters, still looking for something, then goes back to bridge.
- 8:39 No. 1 gets out of safety hatch, and puts the lid back.
- 8:40 No. 2 goes to the wet room. No. 1 puts the table back, while the music continues.
- 8:45 No. 1 turns off the music. No. 4 goes to the bridge to give the rebreather check to topside. No. 1 goes to the bridge, stretches out, and listens to a Nilsen cassette.
- 8:46 No. 4 and No. 1 go to the crew quarters. No. 4 tells No. 1 about a pump in crew quarters. No. 2 suits up. No. 3 goes to bridge and looks for something. Then No. 3 returns to the wet room and suits up too. No. 4 and No. 1 take off the lid again, and work on the bilge.

- 8:53 No. 4 replaces the hatch. No. 1 helps him replace the table. No. 4 goes to the bridge. No. 1 goes to bridge and dances to the music. He sits in a chair with his feet on the table. No. 4 goes to the crew quarters, and cleans it up a bit. No. 1 watches the two-way TV, No. 1 asks, "How can you leave me here to watch TV?" The lights are put out in the bridge. No. 4 goes to the head. No. 1 asks No. 4 about a book. No. 1 goes to the crew quarters. The lights are out. The lights are on now in the bridge. No. 1 goes there, sits at a desk, and then goes to the floor in the leisure area. He puts on the Herb Alpert cassette, then goes back to the leisure area again. Meanwhile No. 2, No. 3, No. 4 and No. 5 are suiting up. They check out their plan with topside. No. 1 watches the plans being made on the two-way TV. No. 1 walks around the bridge. He turns off the light. The lights are now out in the crew quarters and the bridge. No. 1 is in the bridge watching the two-way TV.
- 9:08 No. 1 puts on a desk light in the bridge. Then he puts it out again.
- 9:10 No. 1 puts on a Peggy Lee cassette.
- 9:14 No. 1 is still in front of the two-way TV. No. 4 comes to the bridge and talks with No. 1. No. 4 explains about rebreathers.
- 9:18 No. 4 checks on the others in the wet room.
- 9:25 No. 4 returns to the bridge, and talks with No. 1.
- 9:26 No. 4 goes to the wet room.
- 9:30 No. 2 and No. 5 are in the water.
- 9:35 No. 4 and No. 3 are in the water.
- 9:41 No. 1 turns on the lights. The music is over. He puts on another Peggy Lee cassette.
- 9:47 No. 1 turns off Peggy Lee. He puts on some of Edith Piaf singing, and turns out the lights.
- 9:50 He puts on a new cassette, the Swingle Singers. He snacks in the crew quarters.
- 9:53 He puts on a new tape, the Serendipity Singers. No. 1 is back in the bridge with the lights out.
- 9:59 Topside hears a pinger. No. 1 goes to the wet room to check on it. Apparently it was an accident of the equipment. No. 1 goes back to the bridge and listens to music in front of the two-way TV.

10:02 No. 1 turns the Serendipity Singers off. He puts on Blood, Sweat and Tears singing "Spinning Wheels".

10:19 Topside alerts No. 1 that a new pinger is going off. He doesn't hear them. He is still listening to the Blood, Sweat and Tears cassette.

10:20 Topside tries again.

10:21 Topside tries again.

10:22 Topside hears that all is OK from the safety crew.

10:23 No. 4 returns to the wet room. He asks topside about the pingers.

10:24 No. 3 is in. No. 1 puts on the other side of his cassette. No. 3 and No. 4 unsuit.

10:33 No. 1, watching No. 3 and No. 4 on the two-way TV, says over the intercom, "No. 4 you've got your elbow on my half of the counter." No. 3 and No. 4 talk about fish. No. 4 showers.

10:40 No. 1 has played side 1 and side 2 of Blood, Sweat and Tears and is now playing side 1 again.

10:43 No. 4 goes to the head.

10:45 No. 4 goes to the bridge. No. 4 puts the lights on. No. 1 is still in front of the TV. No. 1 complains he is bored. No. 4 suggests the recreation kit. They talk about the tapes. No. 1 has found some more tapes. He likes "The Third Man Theme." He starts to play it and it turns off. No. 1 sees the cassette is broken and swears. He puts on Tom Jones, "Live in Las Vegas," very loud. No. 1 is mad because the other cassette is broken.

10:50 No. 4 goes to crew quarters, gets a Coke and returns. No. 1 says, "I can't fix it." No. 4 listens to him quietly. No. 1 says, "It is a communist plot, they glued the thing together." No. 1 says "Why do they do it that way anyway? They don't have to weld the thing together." No. 3 is working in the wet room.

10:53 No. 3 goes to the head. No. 1 swears as another cassette breaks. No. 4 goes to the head--it's occupied. No. 1 says, "No. 4" No. 4 replies, "In about 10 sec."

10:55 No. 3 goes to the bridge, then No. 4 also goes to the bridge. No. 1 says to No. 4: "Do you want to hear another one, really groovy? Where did the thing go?" He turns off Tom Jones. No. 3 goes to the refrigerator in the crew quarters. No. 1 says: "You have got to hear this. You'll like it." He puts on "Spinning Wheels." No. 3 snacks. No. 1 says, "Let's set a record and go out for 12 hours tomorrow."

- 10:58 No. 3 goes to the wet room and works. No. 1 says "I just want you to hear a little bit of this last one. This is really wild." No. 4 wants to check the carbon dioxide level. No. 1 says, "Some SOB called while you were out, said this is God. He said this is broke." (He hold up a broken cassette.)
- 11:00 No. 4 talks to topside about the carbon dioxide. No. 1 says, "I wish my topside support would bring me my samples. I'm extenuated." No. 1 watches the two-way TV while they relax. A message comes in about the match of the instruments in the habitat and topside that monitor the carbon dioxide in the habitat. No. 1 says, "Can I relax now? Can I distract myself? I've had a tough day and I'm all up tight." No. 1 says, "If I sit down for one second everything messes up!" No. 1 puts on a cassette by the Beatles. He says: "I'm not going out any more and I'll have more data than all the rest of you." No. 4 talks about back packing, than asks No. 1 what he knows about the other teams. No. 1 makes some comments about some of the other research teams.
- 11:10 No. 3 notifies No. 1 his delivery from topside is now in the trunk. No. 1 gets it. No. 4 relaxes in the bridge. He turns the volume of the cassette by the Beatles down considerably. No. 3 still works in the wet room. Then No. 4 goes to change the Baralyme. No. 1 talks on the phone to the Pinafore. Then he goes to work.
- 11:15 No. 4 asks what the people topside are reading. He noticed they're reading. He also asks what they thought of the light show.
- 11:20 No. 1 tells No. 3 that topside loved the show.
- 11:24 No. 1 to No. 3, "I have to write an underwater play. Everyone will learn their lines. Then the people in the base camp will come to the command van for a talent night. I think it could be fun.
- 11:26 No. 1 says to No. 3, "Say what you want, but the right arrangement is to have people working on the surface." No. 3 listens. No. 1 says he could only get one sample a day without the topside people. The only other possibility would be to use an underwater scooter. He says he has to work on his play.
- 11:29 No. 1 asks No. 3: "Need some help?" No. 3 says no. No. 1 goes to the engine room. No. 1 talks to No. 4 about the play. He suggests they send out invitations. He says he'll get no sleep tonight because he'll be thinking about it. No. 1 tries an exercise wheel in the leisure area. He says, "Why didn't you tell me about this."
- 11:30 No. 1 says, "Some of those topside guys sounded like they were really turned on by that good show we did. What is this? Oh, WOW!" He finds the Spoken Arts cassette library. "Why didn't you tell me about this?" No. 4 complains there is nothing in it

from Richard the Third. No. 1 looks at it and says, "Hey, this is wild! This must have cost a fortune." He puts on some Shakespeare poetry: "Shall I compare thee to a Summer's Day?" etc. No. 1 looks through the Spoken Arts Library carefully. Then No. 1 sits back and listens to the poetry.

11:39 No. 1 turns the Shakespeare off, after listening to about 5 sonnets. Then he puts on a cassette concerning Olympian mythology. The tape discusses the birth of Zeus.

11:42 No. 1 turns off the story about Zeus. He puts on the Brahms "Piano Concerto No. 2," takes his shirt off, and goes to crew quarters. He tinkers with his drawer for personal effects, then goes back to the bridge.

11:44 No. 1 goes to the crew quarters again. Then returns to the bridge with soup. He goes to the engine room and talks with No. 4. Then he talks with No. 3 in the wet room about the Shakespeare tapes, and about giving their play. It will be written, directed, and produced by their team. He asks No. 4 about putting it on a tape, then says, "No, it's got to be live. That will be more fun." No. 3 whistles while No. 1 showers.

11:52 No. 4 finishes the Baralyme change. He goes to the head.

11:54 No. 1 gets out of the shower.

11:55 No. 1 goes to the crew quarters.

11:56 No. 1 and No. 4 go to the bridge. No. 1 says, "It's got me way out. I gotta get a Coke. I gotta get high. You want one?" No. 4 says yes. No. 1 goes to the crew quarters and gets the Cokes. No. 4 talks to topside.

11:59 No. 1 goes to the bridge. No. 1 turns up the Brahms music. He drinks his Coke, and waits for No. 4. He gets a magazine. No. 4 is looking out the viewport of the bridge.

12:00 No. 1 sits down. No. 4 says, "You turned yourself completely on, eh?" He turns down the music, No. 1 turns down all the lights. "Somebody will narrate in the year 2020 when man inhabits the sea, that 50 years ago, a Tektite II team started it all. While that one team was down there, nuclear war broke out. The 5 aquanauts survived. It was a giant leap for mankind. In the show we'll put on a new face, maybe with our fingers in balloons. We'll put on Victory at Sea in the background." No. 1 continues to discuss his idea of the play, raising questions about his notion: "How are you going to procreate? What would be the impact of the new environment on the psychology of war? How would it affect your moods, with no change in seasons and no sunsets?"

- 12:11 No. 3 goes to the crew quarters and gets a Coke. He tinkers in the crew quarters. No. 1 continues, "Emotionally and artistically what would happen?"
- 12:11 No. 3 is back in the wet room. No. 4 wonders if one could get a balanced diet. Then an aquanaut in the water holds a crab up to the viewpoint. No. 4 signals them to hold it there so he can get a picture. No. 1: "Maybe this idea is too ambitious; we need something a little weighty, but not too complicated." No. 4 suggests another psychedelic show. They talk about the crab. No. 1 suggests a mirror in the tunnel if they do another light show. No. 1: "It's going to take some thinking."
- 12:23 No. 1 suggests they talk to the topside engineer about it. They do, and he says he liked the light show. No. 4 says, "There won't be another one this good for five years."
- 12:25 No. 2 is in the wet room, back from his dive. No. 1 and No. 4 talk about a Tektite party, about the proper qualifications of an aquanaut, about the problems of having two guys in the water as a team, and whether the project might need 2 boats available for safety diving so more than one team could be out on sorties at the same time.

Observations cease for the evening.



## DAY 9

- 4:45 p.m. No. 1 and No. 3 are asleep. No. 2 and No. 5 are in the wet room, suiting up for a dive. No. 4 is writing in the bridge.
- 4:58 No. 4 goes to the wet room. He takes a Polaroid picture of No. 2 and No. 5 suiting up.
- 5:05 No. 3 wakes up. He goes to the head.
- 5:10 No. 2 and No. 5 are in the water. No. 4 checks the equipment in the wet room.
- 5:14 No. 4 goes to the bridge and works at the desk.
- 5:15 No. 3 goes to the bridge and works next to No. 4. No. 1's topside support team is now on the Pinafore, awaiting instructions from No. 1. Topside asks what to do about them. No. 1 hears this; he wakes up and goes to the bridge.
- 5:18 No. 1 complains about the room service.
- 5:19 No. 3 goes to the crew quarters. He puts the lights on. No. 1 goes to the head.
- 5:20 No. 3 goes to the bridge. He looks around and watches the two-way TV. No. 1 comes out of the head and goes to the wet room. One of his topside team delivers some samples. He hands them up to No. 1 without breaking the surface of the water in compliance with the isolation rules. No. 1 takes them and does some work on them.
- 5:21 No. 3 goes to the crew quarters; he gets some food out.
- 5:22 No. 4 goes to the crew quarters and chats with No. 3. Then No. 4 uses the Bogen telephone and talks about topside living conditions with someone topside. No. 3 prepare the food. No. 1 continues to work in the wet room.
- 5:25 No. 1 goes to the bridge. He puts on a Beatles cassette very loud. He goes to the head. No. 3 goes to the wet room.
- 5:48 No. 1 comes back to the bridge where he reads a magazine. No. 4 is still on the Bogen. No. 3 works in the wet room.
- 5:51 No. 1 goes to the crew quarters and gets a snack.
- 5:53 No. 4 finishes talking on the Bogen. Then No. 1 talks to No. 4 about a scientific finding that is going to really shake them up. No. 1 explains about some biodynamics of the ocean, his equipment and project for Tektite, and about his research proposal. Then No. 1 discusses the politics of the grant game.

- 6:14 No. 4 goes to the bridge. He tries to put on the cassette of "Carmina Burana" by Orff, but it is not working properly. No. 1 and No. 4 are still talking through the hatch between the two compartments. No. 1 says, "How come every time I come to the crew quarters to talk to someone they leave? Do I have bad breath? You can level with me No. 4. No. 4 replies, "Come on up. We'll listen to some music."
- 6:15 No. 4 puts on a cassette by the Beatles. No. 1 continues to snack in the crew quarters.
- 6:16 No. 4 goes to the wet room.
- 6:17 No. 1 goes to the bridge. He sits down and listens to the music of the Beatles. No. 3 and No. 4 work quietly in the wet room.
- 6:19 No. 4 goes to the bridge. There is some slight chat as No. 1 signs letters.
- 6:22 No. 1 sits back and listens to the music. No. 4 writes. No. 3 is still working in the wet room.
- 6:27 No. 1 wants to get a picture of No. 4 in front of the viewport and the flowers that a girl from topside sent down. No. 4 is cooperative. No. 1 suggests, "Alright, sit cross-legged and look like you're meditating." Then he tries various other arrangements with the flowers, No. 4 and the viewport, taking pictures all the time. He ends with, "I hope the things come out. That will be good."
- 6:33 No. 4 puts on the cassette of the Beatles singing "Hey Jude." He speaks the words along with the Beatles singing. Then No. 1 and No. 4 sing along with the cassette for a few words. No. 1 sits back; he drinks something. No. 4 is still writing. No. 1 asks the identity of the topside watch director. When he finds out, he remarks, "That guy's not much of a sport. He won't fool around." No. 1 asks the time for leaving the habitat on the mission's last day. No. 4 mostly writes; he talks when No. 1 initiates it. No. 1 then sits back and listens to the music.
- 6:40 No. 4 talks about steaks. No. 1 complains about the isolation rules. No. 4 gives No. 1 a mock needle in the arm. No. 1 talks about the difficulty in doing anything in habitat. No. 1 wants to tell No. 4 about an interview. No. 1 describes his side of the story of his interaction with the topside mission director when the director visited earlier today, with some press photographers. No. 1 was angry because he couldn't listen to music when the photographers were there.
- 6:53 No. 1 puts the music of Nilsson on. No. 1 talks with No. 4 about the mail and the postmission debriefing. He says he has heard a rumor has been going around in the base that they're drinking.

No. 1 would like to see a pH meter available in the habitat, a current meter, and a tape recorder. He would also like a diver-diver communication system, better diver-diver-support, and to see them get rid of the pingers. No. 1 says, "and we've got to have right tools for the scientists down here. We need a broad-based inventory system for ecologic parameters relevant to any research you might do here. Cease while I listen to the song." He listens to Nilsson. No. 4 talks about Imogene Cocoa and Sid Caesar.

- 7:02 No. 3 goes to the crew quarters and writes. No. 1 and No. 4 continue to talk about TV, "The Tonight Show," Milton Berle, and watching cartoons on Sunday morning with champagne to cure a hangover.
- 7:08 They put on a new audio cassette, Simon and Garfunkle singing "Bridge Over Troubled Waters." They talk about a Chevron oil company fire. No. 2 asks how come they have been supplied with so much food. The conversation rambles on.
- 7:20 No. 4 finishes writing. No. 1 says to him, "We ought to make a decision. Who's going to go out with No. 3? Have you been out today? How about No. 5? Who will watch him?"
- 7:21 No. 4 wants to send some stuff topside that they no longer need. No. 1 recommends they wait till the end of the mission. They talk about what to send up. No. 1 says, "I got to play the end of this tape for you." (Variations on a Theme by Erik Satie.) "It's unreal. We should have it for background music in our movie." No. 4 goes to the head.
- 7:24 No. 4 comes back. No. 1 puts on the audio cassette of Blood, Sweat and Tears, singing "Spinning Wheels." He puts the volume on loud. Then he goes to the head. No. 4 puts the volume way down. Then No. 4 straightens up the bridge with the Blood, Sweat and Tears quietly in the background.
- 7:27 No. 1 comes back. He looks over the TV films. He asks No. 4 about making a selection. No. 4 says he has to change the carbon dioxide sensor. No. 4 asks No. 1 to take his picture while he does it. No. 1 refuses. No. 4 goes to the desk. No. 1 asks, "What do you want me to do now?" No. 4 explains how to take the picture. No. 1 cooperates. He asks him to look up at the screen, then takes the picture. The camera was not loaded right. No. 1 states, "If it's one thing I can't stand it's a foul-up."
- 7:33 No. 1 then says, looking at the leisure kit, "I want to find out my bloomin' IQ." No. 3 goes to the wet room. No. 1 then gets the camera ready again. He tells No. 4, "Look up at the TV picture. Think this'll work better with film?" Then No. 1 gives No. 4 the camera. He gets out the IQ game from the leisure area. He reads

through the directions, then he laughs wildly, "I got it." Then he turns to No. 4, "Gosh darn it, you turned the music down, that really pisses me off. Listen to this." (He turns the volume way up.) There is a pause while he takes the IQ game test. Then: "I got all the bloomin' answers right." No. 4 is talking to topside about the carbon dioxide level. He can barely hear topside but he leaves the volume of the music up. No. 1 continues with the IQ game.

- 7:41 No. 3 goes to the head. No. 4 asks No. 1, "We've been breathing good here. Have you noticed the air smells clean? Have you noticed any odors down here? I heard there might be some problems about odors."
- 7:42 No. 3 goes to the bridge.
- 7:43 No. 2 is back in the wet room from his dive.
- 7:44 No. 4 calls in the dive plan to topside. No. 1 reads the book of directions for the IQ game, and laughs wildly. No. 4 can't hear nor can topside. No. 1 turns down the volume. Then he reads the IQ book to No. 4 when he quits with topside. No. 4 says, "Let's go cook supper. I heard you were a pretty good cook." No. 5 is now also in the wet room. No. 1 asks, "Are we going to bring some music down there?" No. 4 goes to the crew quarters. No. 1 sits in the bridge. He puts on a new cassette at high volume. He shouts, "Listen to this. I'm telling you. This kind of music turns me on." No. 4 is cooking. No. 1 is doing the IQ game. The music ends. No. 1 rewinds the cassette, whistling the "Spinning Wheels" song. No. 2 and No. 5 work on dismantling their rebreathers. No. 3 watches them. There is no talk in the wet room.
- 7:52 No. 3 goes to the engine room. He stands there and looks out the viewport. Then he goes to the crew quarters. He looks at a book there.
- 7:53 No. 4 yells, "Hey No. 1 come down here." No. 1 replies, "Just a minute, I'm taking my IQ test." No. 4 says, "Come on, don't beat a dead horse." No. 4 asks No. 3 about the dive plan, and asks for a time check. The conversation is going through the opening between bridge and crew quarters.
- 7:56 No. 4 again yells up through the opening to the bridge, "Hey, No. 1, what are you going to do? Are you going to cook these steaks or not?" No. 1 replies, "I'm taking my IQ, I have an IQ of approximately 212 degrees." No. 4 says, "That's boiling." No. 4 goes to the freezer. No. 1 says, "What do you want me to do No. 4? I've been cooking away all day, and no one likes me. Everyone wants me to go back to the surface." He puts on more Blood, Sweat and Tears.

- 7:59 No. 1 goes to the crew quarters. He inquires, "What do you want me to do here? Hmm, quick-thaw strawberries." No. 4 is still in the freezer.
- 8:00 No. 4 goes to the crew quarters. No. 1 is finally starting to cook. No. 4 and No. 1 chat while cooking supper. No. 1 gossips about who is in love with No. 1's secretary. No. 1 invites No. 4 to spend a weekend with him. No. 3 begins writing some letters.
- 8:05 No. 5, who has been working on the rebreathers in the wet room, goes to the head. No. 1 brags, "I have 2 Ph.D.'s." No. 4 replies, "And you pick the salt shaker up upside down." No. 3 asks, "Two bloomin' Ph.D.'s?"
- 8:06 No. 4 goes to the bridge. He says to No. 1 as he leaves, "Keep stirring the kettle."
- 8:07 No. 4 returns to the crew quarters. No. 5 goes back to the wet room. No. 1 says, "Yessir, do you want rice and rolls?" No. 1 is snacking. He puts on a cassette of the Supremes. No. 1 dances and fixes steaks. No. 4 fixes the rice. No. 1 says "Tektite is a bunch of amateurs trying to play like they're professionals. That's the way it is." No. 1 is shaking and wiggling as he dances, and he continues to eat and drink while also cooking.
- 8:15 No. 3 finishes writing his letters. He goes to the bridge and reads a magazine. No. 1 and No. 4 continue to talk and cook. No. 2 and No. 5 unsuit in the wet room.
- 8:22 No. 5 goes to the bridge. He looks at something with the microscope there.
- 8:23 No. 5 then goes to the engine room. He gets something from No. 2 through the opening to the wet room. Then he goes back to the bridge. He uses the microscope again.
- 8:25 No. 5 returns to work in the wet room.
- 8:30 No. 2 goes to the bridge. He calls the postdive rebreather check-out list results out to topside from there. No. 3 still reads on the bridge. No. 1 and No. 4 still talk in the crew quarters. No. 1 relaxes on his bed. No. 4 is fixing the food.
- 8:31 No. 4 has the food about ready. He says, "OK let's get this show on the road." No. 2 comes to the crew quarters. No. 3 comes to the crew quarters. No. 5 waits for some topside support divers who are supposed to deliver something. He asks the watch director if they are coming soon. The watch director says yes. No. 2, No. 3 and No. 4 eat. No. 1 is in his bunk. He pulls the curtain and asks for privacy. Then he comes out again. They have the Modern Jazz Quartet on the tape recorder. No. 5 is watching for the topside divers from the wet room.

- 8:42 No. 5 goes to the viewport in the bridge. Then he watches the two-way TV. Then he goes to the viewport again. He asks No. 4 what to do. No. 4 says to call up topside and ask. The watch director says the divers have gone back and No. 5 should go to supper.
- 8:45 No. 1 finally joins the rest of the group for supper. No. 5 also joins them. No. 1 says, "No. 4 you look a little weary." No. 2 mentions a piece of gear he needs.
- 8:48 No. 5 goes to the wet room. He gets the gear for No. 2 and goes back to the crew quarters. He gives it to No. 2. No. 5 says, "How is that for service?" All aquanauts eat. No. 4 talks about an idea he has for studying the eels around the habitat.
- 8:57 No. 2 finishes his supper. He sits on his bunk.
- 9:00 No. 3 finishes. He takes his plate to the sink and washes it.
- 9:02 No. 3 goes to the bridge. He gets something and comes back to the crew quarters. No. 4 gets out the ice cream and the strawberries.
- 9:03 No. 3 goes to the wet room.
- 9:05 No. 1 starts acting like a dog, begging, when he sees the ice cream. "Woof, woof."
- 9:05 No. 4 calls No. 3, who is in wet room working, to get some ice cream and strawberries. There is no response from No. 3.
- 9:10 No. 4 says, "It just occurred to me why No. 3 isn't here. We were supposed to be in the water at 9:00." No. 1 is being rather talkative tonight. He discusses dogs he likes, including Moe, a diving dog. He describes his surprise while scuba diving to see the huge hairy form of Moe go by, checking to see if all divers were OK.
- 9:15 No. 4 goes to the wet room. No. 5 talks about a skunk swimming. No. 2 scrapes his plate of ice cream very thoroughly.
- 9:17 No. 5 goes to the wet room. No. 1 talks to No. 2 about the skunk. No. 5 watches No. 3 and No. 4 suit up. He helps them. No. 4 sings and whistles. No. 1 and No. 2 continue to talk about this and that in the crew quarters.
- 9:24 No. 5 goes to the engine room. He watches No. 3 and No. 4 and talks to topside on the mike in the engine room. Then No. 5 goes back to the wet room.
- 9:30 No. 3 is in the water.
- 9:32 No. 4 is in the well, singing "Strangers in the Night," as he descends into the water.

9:32 No. 5 goes out on the hooka system.

9:36 No. 5 returns. He showers.

9:39 No. 2 puts on Blood, Sweat and Tears, again.

9:41 No. 5 works in the wet room. No. 1 and No. 2 talk. No. 1 is doing most of the talking.

9:54 No. 5 goes to the bridge.

9:55 No. 5 gets his habitability forms in the crew quarters and then works on them in the bridge.

10:01 No. 3 and No. 4 return. No. 2 puts on the "Easy Rider" cassette.

10:03 No. 5 goes to the wet room.

10:05 No. 5 is in the water on the hooka.

10:08 No. 5 returns. He showers. No. 3, No. 4 and No. 5 talk a bit about arranging dives and getting samples.

10:14 No. 5 goes to the bridge.

10:15 No. 5 goes to the wet room with a shirt.

10:17 No. 4 drinks a Coke. He looks around the wet room. No. 3 dresses, while whistling. No. 1 and No. 2 still chat in the crew quarters. No. 4 hangs up his wet suit. He requests more compressor pressure from the topside. Then he showers. The "Easy Rider" cassette is still on in the crew quarters.

10:19 No. 3 goes to the crew quarters. He hears some water and snacks on something he obviously enjoys. No. 4 and No. 5 talk in the wet room.

10:25 No. 2 has the tape recorder on his bunk. He now has some electronic jazz on in the form of a contemporary religious mass. No. 3 is still snacking. No. 5 proposes to go out in the water again.

10:35 No. 5 is in the water. No. 3 is still snacking.

10:40 No. 5 returns. He showers. He synchronizes his watch with topside.

10:41 No. 4 (after helping No. 5) goes to the bridge.

10:42 No. 4 goes to the crew quarters. He and No. 1 talk about No. 5's nude body swimming by the view ports, and that it is a good thing there are no females topside.

10:43 No. 4 gets a snack. They talk about an idea for a TV show called the Diving Nun. No. 3 goes to the wet room and works. Then No. 3 goes to the bridge. He looks for something. No. 5 works in the wet room.

- 10:45 No. 4 says, "It's a shame to see a good mission go to the dogs!" (He is trying to get No. 1 to clean up and wash the dishes. No. 1 and No. 2 are still talking.) No. 1 yells at No. 4 for having cooked the rice first. Nothing else was ready for supper, but the rice was done. No. 1 asks, "Are you sure this habitat isn't upside down? I thought the crew quarters was supposed to be on top."
- 10:47 No. 4 goes to the bridge from the crew quarters. No. 5 goes to the bridge from the wet room. No. 3 was already there. No. 1 says, "Hey, No. 1, everyone's up here but you." No. 1 says, "OK".
- 10:50 No. 1 and No. 2 go to the bridge. No. 1 puts on the cassette of "Easy Rider" again. No. 1 and No. 4 kid each other. No. 1 makes much ruckus about No. 5's nude diving. The tape recorder is on so loud it is hard to hear. No. 1 is making up the dive plan, and the others help.
- 10:55 No. 5 goes to the wet room. No. 4 goes with him.
- 10:58 No. 3 goes to the wet room.
- 10:59 No. 5 is in the water. No. 1 and No. 2 are laughing with hilarity in the bridge. They are playing the Nillson tape. No. 3 works in the wet room. No. 4 stands by to help No. 5 when he reenters the trunk.
- 11:00 No. 2 goes to the head. No. 1 goes to the viewport. Then No. 1 watches the two-way TV.
- 11:01 No. 5 is back and out of the water. No. 4 goes to the bridge. He reads. No. 2 goes to the bridge and then gets something from the wet room. No. 2 comes back to the bridge. The watch director notifies No. 1 that his topside support diver is on the Pinafore. No. 1 turns off the tape recorder, gets a Coke, and then goes to the head. The phone rings from the Pinafore. No. 5 answers.
- 11:06 No. 1 goes to the phone in the wet room. He talks with his topside support.
- 11:07 No. 2 goes to the crew quarters. He does the dishes. No. 4 goes to the head.
- 11:08 No. 4 goes to the bridge. No. 3 and No. 5 work in the wet room. No. 2 tries to get the radio to work while he does the dishes. No. 4 goes back to the head. He fixes the head up.
- 11:12 No. 4 goes to the wet room. Then all work except No. 1. He talks on the phone. No. 2 is still trying for a station.
- 11:13 No. 4 goes to the head again.



11:14 No. 1 is off the phone. He asks No. 3 about space for his samples. No. 5 goes to the bridge. He works on a habitability form. No. 2 quits trying to tune in something on the radio. He goes to the bridge, gets a cassette, goes back to the crew quarters and puts on a cassette by a female singer. He writes a letter.

11:15 No. 4 goes to the engine room. He checks on things there.

11:16 No. 4 goes to the bridge. No. 5 is working on his forms there. No. 4 sits at a desk. No. 1 and No. 3 work in the wet room. No. 3 has moved over to No. 5's usual spot. No. 4 and No. 5 talk a bit about the habitability forms, and the design of the Tektite habitat.

11:22 No. 5 goes to the crew quarters and finds a Coke.

11:24 No. 5 goes to the bridge. He talks with No. 4 about how much more time they have to go.

11:25 No. 5 goes to the wet room. No. 4 also goes to the wet room. No. 2 is still writing a letter in the crew quarters and listening to the female singer on the audio cassette.

11:28 No. 5 puts on his air tanks.

11:29 No. 5 is in the water. No. 4 watches him. No. 1 finishes and chats with No. 4. No. 2 snacks. No. 4 looks out the wet room viewport. He sees a big fish and shows it to No. 1.

11:31 No. 5 returns to the well. Then goes out again.

11:32 No. 5 returns again. No. 3 sees and asks about the big fish too. No. 1 goes to the crew quarters. He talks with No. 2 there. No. 4 goes in the viewport of the bridge. He asks No. 1 through the hatch if he recognizes the fish.

11:35 No. 1 goes to the bridge to see. No. 1 sees it, and calls No. 2. No. 3 and No. 5 are talking in the wet room. No. 1, No. 2 and No. 4 look at fish in the bridge viewport.

11:37 No. 2 goes to the head.

11:39 No. 2 comes back to the viewport in the bridge. No. 1 says, "That is a big son of a gun isn't it! What is it? It's a big bloomin' drum!"

11:40 No. 1 says "You know, I'm sick of watching those things. The first week I enjoyed it, but now they bore me." No. 2 looks through the fish book, to figure out what kind of fish it is. No. 1 goes to the wet room, then comes back to the bridge. He looks at the Caribbean Reef Fish book with the others. Then he says, "A tuna! That's a bloomin' tuna! Like the ones we got in the cans down there."

That's nothing, I'm going to bed. I've had an extenuating day."  
He asks No. 4 to give the dive schedule for tomorrow to topside.

11:44 No. 5 comes to the bridge.

11:45 No. 2 goes to the crew quarters. He writes a letter. He puts on the cassette of the female singer. No. 1 also goes to the crew quarters. He says he's going to write his research report. No. 1 lies on his bunk with a pillow under his head and reads. No. 2 continues writing. No. 3 comes to the crew quarters and snacks. No. 4, in the bridge, continues to look at the Caribbean Reef Fish book. No. 5, also in the bridge, works on a habitability form.

11:49 No. 4 descends to the crew quarters, then goes back to the bridge. No. 3 goes back to the wet room. No. 4 works near a desk in the bridge. No. 4 and No. 5 talk about the habitability forms. No. 4 watches the two-way TV while they talk.

11:55 No. 4 goes to the crew quarters, to the refrigerator. He get some Cokes. No. 1 and No. 2 are talking.

11:57 No. 4 goes to the bridge and then to the head. No. 5 leaves his form and goes to the wet room. No. 4 goes to the bridge. He tinkers there. (NOTE: The supper dishes are still largely on the crew quarters table.) No. 5 suits up.

11:59 No. 5 is in the water. No. 4 goes to the wet room. He watches No. 5 while putting some drops in his eyes. No. 2 has a male jazz singer on the tape recorder in the crew quarters. No. 1 and No. 2 chat. No. 3 works in the wet room.

12:00 No. 4 gets some samples from No. 5 in the well. He waits for more.

12:01 No. 4 goes to the head.

12:02 No. 5 is in. No. 4 returns and helps No. 5. Then No. 4 goes to work in the bridge on some letters. No. 5 dries off. No. 2 is writing a letter but is also talking a good deal with No. 1.

12:05 It is now quieter in the crew quarters. No. 2 is just writing and No. 1 is reading.

12:12 No. 1 and No. 2 resume their conversation. No. 2 stops writing.

12:15 No. 5 goes to the bridge. No. 4 and No. 5 talk about the big fish outside.

12:16 No. 3 goes to the bridge. He looks around.

12:17 No. 3 goes to the crew quarters. No. 2 gets out his habitability forms. No. 2 tells No. 3 a joke. No. 3 is looking out the crew quarters viewport at the fish.

- 12:20 No. 1 complains about the adjective check list. No. 4 comes to the crew quarters. Then No. 1, No. 2 and No. 4 look at the big fish through the viewport. The fish had his head right at the glass of the viewport. No. 5 joins them. They all crowd around. No. 1 gets his head closer to the viewport and says, "I have a way with animals."
- 12:23 No. 5 goes to the bridge and watches the two-way TV to see if the fish is on the outside camera. Then No. 5 goes to the bridge view port. No. 1 asks for a hand with his adjective check list. He says, "Fill that one out for me. Why won't you help me out?" No. 2 accidentally hits his head as he sits on his bunk. No. 3 pulls his shirt off, puts on his pajamas, and snacks.
- 12:26 No. 5 goes to the wet room. No. 4 checks the engine room, then he also goes to the wet room. No. 1 lies on his bunk reading.
- 12:27 No. 4 watches No. 5 go into the water. No. 1 talks with No. 2 about the habitability forms, this time not complaining about them. No. 2 finishes the adjective check list. No. 2 then looks out the view port. He talks with No. 1. No. 1 asks, as if identifying a fish, "Did you see that naked scientist out there?"
- 12:31 No. 5 is back in. No. 4 returns to the bridge.
- 12:33 No. 4 works on his letters again. No. 2 does his other habitability form. He talks a bit with No. 1 who is still lying on his bunk. No. 3 is now lying down too. No. 5 is working in the wet room. No. 4 is still writing on the bridge.
- 12:41 No. 5 goes to the bridge.

Our observations end for tonight.

## DAY 10

- 4:45 p.m. No. 1 and No. 4 are talking in the bridge. Peggy Lee can be heard on the tape recorder in the background. They are discussing problems relative to underwater research funding. No. 2 is writing letters in the bridge. No. 3 and No. 5 are out on a dive.
- 4:48 No. 4 goes to the wet room. He picks things up there. No. 1 stays in the bridge, his feet on the desk, listening to Peggy. He sings along with the cassette a bit, then he sinks into thought, glancing occasionally at the two-way TV.
- 4:51 No. 4 goes to the head.
- 4:53 No. 4 does push-ups in the tunnel between the bridge and the engine room.
- 4:54 No. 4 gets up and goes to the bridge. No. 1 is talking to topside about the dive plan. No. 1 says "No. 4, I hate to say it but I think I'm falling in love with you." (Note: Remarks made by No. 1 should not be taken too seriously.) No. 1 then complains about the Tektite tie clasps.
- 4:57 No. 1 goes to the wet room to a map there to give topside the coordinates on the sewer line near which they will be diving. No. 4 straightens up the bridge.
- 4:59 No. 1 goes to the head. No. 4 goes to the wet room, singing "Can't Buy Me Love." Then he goes back to the bridge. He sits at a desk and works, with Beatles music in the background on the tape recorder.
- 5:06 No. 4 changes the tape, and puts on "Hey Jude". No. 2 goes to the crew quarters, gets a snack, and returns to the bridge. Both No. 2 and No. 4 are now writing.
- 5:07 No. 1 goes to the bridge. He puts the volume for "Hey Jude" on very loud. He dances and sings. He is watching the two-way TV all the time, singing as loud as possible, and waving his hands.
- 5:15 "Hey Jude" is over. No. 1 asks No. 4 to put on the Beatles singing "The Octopus's Garden." No. 4 puts it on loud. No. 1 continues to dance and sing. No. 4 dances with him a bit.
- 5:16 No. 2 goes to the wet room. No. 4 goes back to work. No. 2 gets his camera. No. 4 finds a copy of the words to the song. He gets up and dances and sings with No. 1. No. 2 returns and covers the TV camera for a picture. No. 1 jokingly says "Oh darling!" as he dances with No. 4.

- 5:20 No. 1 goes to the head and gets his own camera. No. 2 follows him. They return to the bridge. Then No. 1 goes to the crew quarters and gets some film.
- 5:24 "The Octopus's Garden" is over. They rewind the tape. No. 1 and No. 4 make some plan about the decompression chamber stay after they leave the habitat. No. 1 and No. 4 sing loudly as the song is now back on. No. 2 takes pictures.
- 5:26 They rewind the cassette again, then play it again. No. 1 and No. 4 sing loudly along with it.
- 5:28 No. 2 takes camera shots through the tunnel.
- 5:30 The song is over. No. 2 returns to the bridge.
- 5:31 They plan to make a cassette for topside. There is much laughter about the idea. Furthermore, No. 2 has rigged a practical joke on No. 3 and No. 5 in the head. No. 2 goes to the engine room and the head to check on his joke, then he goes to the crew quarters. No. 1 and No. 4 rewind the cassette again. They put on the Octopus song again very loud and sing with it.
- 5:35 No. 2 returns to the bridge. The three of them talk about playing a trick on topside, about the trick on No. 3 and No. 5, and then about how No. 5 has loosened up since the psychedelic light show night.
- 5:39 No. 1 says he doesn't want to leave the music, he would rather fool around than dive, "Aw fooey, I don't want to dive!" He goes "Baa" like a goat. No. 1 has the end of the Beatles' "Abbey Road" (side one) on very loud. He glances at topside on the two-way TV. The cassette stops. No. 1 says, "That bloomin' tape. Broke? Please, please don't foul up. Gee Whiz! What happened to the little rascal?" No. 2 works on repairing the cassette. No. 1 sings the Octopus song loudly. (It is one of the songs on the "Abbey Road" cassette which has just failed.)
- 5:45 No. 1 says, "When I get out of here I am going to go out with my woman and I'm going to make love for three hours without ceasing."
- 5:48 No. 1 in falsetto is singing "Love Angel! I'll love you dear, even though you're queer." No. 2 and No. 4 work on fixing the tape.
- 5:53 They put on a cassette by a French singer. No. 1 and No. 2 chat.
- 5:54 No. 1 says, "Foey on that! I want something wild!" A topside support engineer talks to No. 4. No. 1 gets restless and says "You're fouling up our music." No. 4 finishes. No. 1 puts on the Nillsen cassette. No. 1 dances. No. 2 flips through a book. No. 4 works at his desk.

- 6:00 No. 4 goes to the crew quarters.
- 6:01 The first Nillson song is over. No. 1 lies on the floor. No. 4 in the crew quarters looks in the refrigerator. No. 2 is restless. He looks at the cassettes, then sits down. No. 1 complains about being watched all the time by the behavioral observers. No. 4 goes to the head, then he lies in the tunnel. No. 1 and No. 2 laugh about their practical joke. No. 1 says, "Wait till we see No. 3's expression!"
- 6:09 There is a message from topside that it is OK to dive even though there are two other divers out in the water. No. 1 goes to the wet room. No. 2 follows him slowly. No. 4 goes to the bridge. He leaves on the Nillson cassette, but he turns it down.
- 6:10 No. 4 speaks to the watch director about 3 balloons and 3 strobes that were sent down. No. 4 then goes to a desk.
- 6:12 No. 1 goes to the crew quarters. No. 4 straightens up the bridge. No. 1 goes back to the wet room. No. 4 puts the overhead lights off in the bridge. He watches the ocean and the fish out the view-port. No. 1 and No. 2 suit up.
- 6:17 No. 4 goes to a desk. He only has the desk light on. He puts on a Beethoven Overture. He works, but looks sort of restless. He changes the tape and puts on Vivaldi instead.
- 6:21 No. 4 goes to the head. He straightens up the engine room a bit.
- 6:22 No. 4 comes back to the bridge. He turns off the Vivaldi cassette. He goes to the crew quarters. He puts the Vivaldi cassette on the tape recorder down there. He straightens up the kitchen area. He snacks and starts to cook. Meanwhile No. 1 and No. 2 improvise a float which they will take on their dive.
- 6:37 No. 4 puts on a violin concerto in the crew quarters. He is still fixing supper.
- 6:39 No. 1 and No. 2 are having problems with a weak pinger. They fix it. No. 4 goes to the wet room. He brings his camera, and takes a picture of No. 1 and No. 2 going in the water.
- 6:41 No. 1 and No. 2 leave with the float and pingers. No. 4 hammers on the side of the habitat with a weight. He signals in the view port to No. 2 to return. He wondered if they needed the light floating in the tunnel. No. 2 swims away after giving No. 4 the light. No. 4 puts it away, then takes a picture of the empty trunk. He looks at the research work in the wet room, then he takes a picture of No. 3 returning from his dive. No. 3 asks for a plastic bag. No. 4 asks if No. 3 likes macaroni and cheese, and hands him the bag. No. 3 goes back to the water.

- 6:46 No. 4 goes to a desk in the bridge. He puts the picture he just took there and works at the desk.
- 6:49 No. 4 goes to the crew quarters and cooks.
- 6:55 No. 3 and No. 5 return from their dive.
- 7:00 No. 4 goes to the bridge and changes his shirt.
- 7:01 No. 4 goes back to crew quarters.
- 7:05 No. 4 puts on a cassette featuring Segovia. He continues to fix supper.
- 7:12 No. 4 sits on a bunk and relaxes while No. 3 and No. 5 unsuit in the wet room.
- 7:20 No. 5 goes to crew quarters. No. 3 keeps working in the wet room. There is some chat between No. 5 and No. 4.
- 7:24 No. 5 goes back to the wet room and works.
- 7:37 No. 3 goes to the bridge and works there. No. 5 still works in the wet room. No. 4 is still in the crew quarters.
- 7:39 No. 4 goes to the bridge. He talks about a spotted moray eel with No. 3.
- 7:40 No. 2 is in the well. No. 5 goes to the bridge. He gets something there for No. 2. He returns with it, and hands it down from the engine room to No. 2 who is now in the wet room. Then No. 5 goes to the bridge. No. 4 asks "Are you ready for some supper?" No. 2 is back in the water. No. 3, No. 4 and No. 5 talk in the bridge, and look at No. 2 and No. 1 through the viewport.
- 7:44 No. 3 goes to the crew quarters. He looks in the refrigerator. No. 5 reads in the bridge. He decides he will cancel his evening dive. He goes to the wet room and works. No. 4 does a head stand with his legs crossed. No. 3 fools with his personal gear in the crew quarters.
- 7:47 No. 4 goes to the crew quarters. He gets out the cooked food for dinner. He talks with No. 3 about kelp.
- 7:49 No. 3 and No. 5 eat in the crew quarters. No. 5 still works in the wet room. It is a quiet supper. No. 4 asks about No. 3's dive, the lobsters he saw, and a moray eel that was being eaten.
- 7:55 No. 5 cancels his evening dive with topside. He starts to read the rebreather checkout list to topside. No. 4 over the intercom suggests he do it after supper.

- 7:56 No. 5 goes to the crew quarters.
- 7:57 No. 2 is in the well. No. 4 asks No. 5 about the moray eel fight. No. 4 mentions a big snapper going by. No. 5 gets up to look out the viewport.
- 8:00 No. 1 and No. 2 come into the wet room. They are talking. No. 3, No. 4 and No. 5 talk about fish in the crew quarters. They discuss the mating of fish. They then talk about candy, an Apollo space TV receiver, and about how it's good to see who you're talking to. No. 4 and No. 5 talk about space communications. No. 3 gets his diary and writes in it. No. 3 and No. 5 eat ice cream and No. 4 and No. 5 talk about computers. No. 1 works in the wet room.
- 8:19 No. 2 goes to the crew quarters and lies on his bunk. No. 4 offers him some food. No. 5 gets him a fork.
- 8:21 There is much scraping of ice cream bowls in the crew quarters. No. 4 goes to the bridge. No. 5 helps clean up the dishes. No. 4 contemplates, and then reads a book.
- 8:25 No. 1 goes to the head.
- 8:26 No. 1 returns to the wet room. He washes his instruments in the shower.
- 8:27 No. 1 himself showers.
- 8:30 No. 4 is reading the Caribbean Reef Fish book. No. 5 is washing the dishes. No. 2 reads a letter in his bunk.
- 8:31 No. 2 goes to the bridge. No. 2 and No. 4 look at the fish out of the viewport. Then No. 4 asks No. 2 about the identity of some fish.
- 8:33 No. 1 goes to the head. Then he goes to the bridge. He talks about the dive plan with No. 2 and No. 4. No. 3 and No. 5 talk in the crew quarters about eating, Playboy and fish. No. 1 talks about his good topside support. No. 4 says "Yeah, they do all the work while you write up the results on toilet paper." No. 1 lies on the floor and talks about the IQ test he gave himself, his camera blowing up, peanut butter and ground beef, and massages.
- 8:51 No. 2 goes to the head. No. 1 gets mad when he hears No. 2's practical joke has disappeared. Then No. 1 and No. 4 lie on the floor and talk. No. 2 goes back to the bridge and looks at Playboy. No. 1 is saying, "You've got to have competent and gung-ho people, then you can't fail." No. 1 fired a guy the day before he came down here. No. 3 and No. 5 talk in the crew quarters. No. 2 thumbs through Playboy.



- 8:51 No. 3 and No. 5 work on something in the crew quarters. In the bridge, No. 1 explains that at his lab, "We got a good team." No. 1 talks about his secretary. No. 4 says, "You should have had your team fill out your check lists for you topside." No. 1 tells how beautiful the women are he is with during the day, and especially his woman at home. No. 4 offers him some coffee. No. 1 says yes. No. 1, No. 2 and No. 4 go to the crew quarters. No. 4 checks the coffee pot. They watch the tarpon eating the minnows outside. Someone puts on a cassette by Peggy Lee. No. 1 makes the coffee. No. 5 goes to the bridge and works at a desk. No. 4 continues to look out the viewport. Then No. 4 and No. 3 talk about electronics in the crew quarters. No. 1 and No. 2 also talk in the crew quarters.
- 9:08 No. 4 goes to the bridge. No. 5 continues to work at a desk. No. 4 lies on the floor and rests. No. 3 works on a piece of research gear in the crew quarters. No. 1 and No. 2 talk about Playboy in the crew quarters.
- 9:15 No. 4 works in the bridge at a desk.
- 9:17 No. 2 puts on the flip side of the Peggy Lee cassette.
- 9:19 No. 3 goes to the bridge. No. 1 and No. 2 read on their bunks. No. 1 snacks. Then No. 3 goes to the wet room, where he works.
- 9:21 No. 4 and No. 5 talk on the bridge. No. 1 and No. 2 talk in the crew quarters, Peggy Lee is on very loud.
- 9:23 No. 4 requests, "No. 1, would you turn that down a little please?" No. 1 replies, "I can't hear you." No. 4 is helping No. 5 prepare the rebreather readings to read topside. No. 1 does turn the volume down a little. No. 1 and No. 2 get engrossed in a conversation. No. 4 straightens up the bridge. No. 4 and No. 5 compare their unhealed cuts.
- 9:27 No. 3 goes to the bridge. He gets something from a desk.
- 9:28 No. 3 goes back to the wet room. No. 1 and No. 2 get back to work, organizing their gear in the crew quarters, and writing. No. 4 and No. 5 chat on the bridge. No. 5 tells about his proposal being accepted. They also talk about base camp and fluctuations of base camp population, then about their women back home.
- 9:32 No. 5 goes to the crew quarters. He gets a Coke. He looks at a book he has been reading. No. 2 is now reading in the crew quarters.
- 9:33 No. 5 goes back to the bridge. There he reads a book. No. 4 writes. No. 5 talks about his book. Then it is quiet. Someone puts on more music by Peggy Lee. No. 1 asks No. 4 through the hatch about the habitability forms due today.

- 9:38 No. 3 goes to the crew quarters and gets something. Then he goes back to the wet room. No. 4 asks No. 5 about his research, then they talk about a guy interested in studying dragonflies. No. 1 and No. 2 talk. No. 4 and No. 5 talk about getting research insights and about cameras.
- 9:53 No. 5 goes to the crew quarters. He gets something. Then he goes back to work at the desk in the bridge where he has been before.
- 9:56 No. 4 helps No. 5 assemble some camera equipment. The Peggy Lee music is over. Segovia is put on in her place. No. 4 and No. 5 talk about cameras.
- 10:10 No. 3 goes to the crew quarters. He gets a snack. He talks a bit with No. 1 and No. 2. No. 3 then gets his notebook out and writes. No. 1 and No. 2 continue to talk. No. 4 and No. 5 talk in the bridge about their work at home.
- 10:14 No. 1 snacks. No. 3 asks No. 1 about his research lab, and what the people there do otherwise.
- 10:17 No. 4 goes to the head. No. 5 goes to the crew quarters. The Segovia cassette is over. No. 5 is listening to the conversation between No. 1 and No. 3. No. 1 explains his research to No. 3. No. 3 thinks there are papers on the problem. No. 1 says no, it hasn't been tackled. No. 1 lies on his bunk and talks about how ridiculous it is that nothing has been done on the question. No. 5 joins in with a question. No. 1 tells a story about some difficulties his lab has had while working on the problem before.
- 10:25 No. 4 comes out of the head and goes to the bridge viewport. He sees a snapper. He signals No. 2 about it. No. 4 tries to show it to topside. Then he goes to the crew quarters.
- 10:26 No. 5 goes to the bridge. He watches the two-way TV, then goes to the viewport in the bridge.
- 10:28 No. 5 sees the snapper. Then he goes to the two-way TV to see if No. 4 can find it as he moves the lower camera around, attempting to show topside the huge snapper.
- 10:29 No. 1 asks, "Is there a blooming snapper out there?" No. 4 says, "I don't know if this is a blooming snapper or a snapping bloomer."
- 10:31 No. 4 is snacking. No. 1 says he'll give him a dollar to get his samples. No. 3 asks No. 1 if he secretly has slaves. No. 1 tells him 52. He invites No. 3 to his place to meet them. No. 4 asks No. 1 if he ever saw Segovia play, and puts on a music cassette of Segovia. No. 5 is walking around on the bridge. No. 3 is writing in the crew quarters. No. 2 writes and listens to the conversation in the crew quarters.

10:39 No. 3 gets out his habitability forms to fill out. No. 1 and No. 4 talk about music. No. 1 says, "You know, when we started passing the ukulele around, it's amazing how everyone knew how to play it." No. 4 says, "You know there were many congratulations about your record today." (No. 1 clowning, spent almost 30 minutes in the shower with the hooka today, setting a record for later teams to beat.)

10:48 No. 1 says, "Let's make up our dive plan. Wake up No. 2."

10:49 No. 1, No. 2, No. 3 and No. 4 go to the bridge.

10:50 All aquanauts work together on the dive plan.

10:54 No. 1 informs topside of the dive plan. No. 4 goes to the head, then back to the bridge.

10:55 No. 3 goes to the cupola. No. 4 goes to the engine room for a Baralyne change. No. 2 and No. 5 go to the crew quarters. No. 5 snacks.

10:57 No. 2 goes to the bridge. He talks to No. 1.

10:59 No. 1 goes to the head. No. 2 goes to the engine room. No. 5 is cleaning the table in the crew quarters.

11:00 No. 2 goes to the wet room.

11:01 No. 1 comes out of the head and goes to the wet room where he works. No. 4 continues to work on the Baralyne change in the engine room. No. 5 is sorting through personal effects on his bunk. No. 2 is working in the wet room. No. 3 is in the cupola.

11:03 No. 5 is reading on his bunk.

11:07 No. 3 comes down from the cupola. He goes to the bridge. He looks at a desk, then goes to the crew quarters. He gets out his habitability forms, put them in his bunk, and standing beside it, fixes some equipment which is lying in his bunk.

11:09 No. 4 goes to the bridge. He tells the topside watch director that more Baralyne is needed in the habitat. No. 3 snacks in the crew quarters. No. 1 and No. 2 are suiting up for a dive.

11:12 No. 3 goes to the bridge. He gets some sheets.

11:14 No. 3 goes to the crew quarters with the sheets.

11:16 No. 3 makes his bed.

11:21 No. 3 goes to the head.

- 11:25 No. 3 and No. 5 go to bed. No. 5 leaves his bunk light on and reads.
- 11:33 No. 4 goes to the head.
- 11:35 No. 4 goes to the bridge. He gets his camera and then goes to the wet room. There he takes a picture of No. 1 and No. 2.
- 11:37 No. 4 goes to the bridge. No. 1 and No. 2 go in the water.
- 11:40 No. 4 writes a letter in the bridge.
- 12:01 No. 4 talks briefly to topside. Then he continues to write in the bridge.
- 12:15 No. 5 gets out of his bunk, and goes to the bridge. He talks to No. 4 about a question on the habitability forms having to do with the amount of tactile stimulation in the habitat. No. 4 comments that he has been stubbing his toe on the bottom of the desk in the bridge. No. 5 looks at something No. 4 is doing at the desk. They talk about grooming, astronauts shaving, the famous astronaut's smuggled sandwich episode, and judgment errors in astronauts. They talk about Scott and his men starving, but still carrying large geological samples from the South Pole, and about people not wearing safety belts even though they have them. They discuss problems in Amundsen's expedition to the South Pole, about mistaken judgment by the South when going to war against the North, about Napoleon's Russian campaign, and about Hitler's invasion of Russia. Then they look out the viewport at No. 1 and No. 2 who can be seen returning from their dive.
- 12:33 No. 4 gets out his bed. No. 5 sits in the tunnel.
- 12:34 No. 4 puts out the bridge lights. Shortly after, No. 1 appears in the wet room.
- 12:35 No. 2 is in the wet room.
- 12:36 No. 5 goes to bed.

Our observations for today end here.

## DAY 11

- 5:10 p.m. No. 3 is reading a magazine in the bridge. No. 1, No. 2, No. 4 and No. 5 are in the wet room. No. 1 and No. 4 chat. No. 1 says, "I'm going to go up and party, No. 4. I can't stand it any more. I can't stand it!" He sings "I could have danced all night," hugs No. 2 hard, and squeals. No. 4 and No. 5 are back from a dive. No. 1 and No. 2 are preparing to go on one. No. 1 says, "I don't know how those guys could have stood it for 60 days on Tektite I. I would have gone bananas, and they didn't even dive that much, either. NASA is running out of cassettes. If I have to start listening to Shakespeare, I'm going to be hard to live with."
- 5:20 No. 5 is showering. He gets out, then No. 4 showers at 5:23. No. 1 says to topside, "Watch director, we're ready for the pinger check."
- 5:27 No. 5 is in the head. No. 4 finishes his shower. No. 2 is in the water, waiting for No. 1 who is talking to the watch director, asking him to pass on some directions about his sampling plan to his topside support group. His topside support is on the dive platform, so this is the only way to give them the message.
- 5:29 No. 5 goes back to the wet room. He works. No. 4 gets dressed. No. 1 continues to discuss the sample run with topside.
- 5:31 No. 1 is still talking to the watch director as No. 2 waits in the water. No. 1 ends with, "Ask those people why they foul up my program, when I'm trying to help someone else. Tell one of them to be in the command van at 8 o'clock." Then No. 1 sings "I'd Like to be," etc. from the Beatles' song, "Octopus's Garden." He continues to work on lab gear while No. 3 continues to wait. No. 2 is remaining in the well, but No. 1 does not yet have his gear on.
- 5:41 No. 1 says something to No. 2 in the well. Otherwise, it is quiet in the wet room.
- 5:45 No. 1 starts to suit up. No. 4 goes to the bridge. He gets a camera and chats with No. 3. He takes a picture of him.
- 5:46 No. 3 continues reading in the bridge. No. 4 looks at some slides under the bridge microscope.
- 5:47 No. 1 is in the water. Topside tries to get No. 1 back because he has not yet had his pinger checked. No. 4 goes to the wet room to help. He bangs on the side of the well.
- 5:48 No. 1 is back. He gives the pinger check.

- 5:49 No. 1 is back in the water. No. 4 and No. 5 straighten up in the wet room. No. 3 is still reading in the bridge.
- 5:54 No. 5 goes to the bridge. He works with some research apparatus there. No. 4 goes to the head.
- 5:56 No. 4 goes to the bridge. No. 4 and No. 5 talk about the apparatus. Then they talk about the dive plan, the pictures they are taking, and about a possible article on Tektite II to appear in a popular magazine.
- 6:00 No. 3 and No. 4 go to the crew quarters. They talk about a wild town they both know, and about the Ph.D. degree. No. 3 fixed up his bunk. No. 4 returns to the bridge and starts to write a letter. No. 5 is still working on his apparatus in the bridge.
- 6:03 No. 5 goes to the wet room and works there. No. 3 also goes to the wet room. No. 3 is wearing his jump suit, a gift to all aquanauts normally not worn until emerging from the end of the mission. No. 4 drinks a Coke. No. 4 gets an air sample for a topside research project monitoring changes in the microecology of the habitat.
- 6:04 No. 4 goes to the engine room to change the Baralyme.
- 6:09 No. 3 goes to the head.
- 6:11 No. 3 goes to the bridge. No. 5 is still working in the wet room, and No. 4 is changing the Baralyme in the engine room. No. 3 looks at something for a long time.
- 6:13 No. 3 picks up the ukulele and plays it.
- 6:21 No. 3 puts the ukulele away. He stares at the tape recorder on the desk.
- 6:23 No. 3 puts on a Simon and Garfunkle cassette (with "Like a Bridge Over Troubled Water"). It ends. Then he puts on the Herb Alpert "Whipped Cream" cassette.
- 6:27 No. 4 talks with the topside engineer. No. 3 reads a magazine while listening to the cassette.
- 6:30 No. 4 goes back to work.
- 6:32 No. 1 hands something up out of the well to No. 5.
- 6:34 No. 1 comes up out of the well into the wet room.
- 6:35 No. 2 is now in the wet room as well. No. 5 continues to do his work. No. 4 goes to the bridge momentarily, then goes back to the engine room.

- 6:37 No. 5 goes to the engine room and looks out the viewport there. He hangs a wet shirt on a gauge. No. 2 goes out again on hookah.
- 6:38 No. 5 goes to the bridge and works on his apparatus there some more. The cassette by Herb Alpert is still on in the background.
- 6:39 No. 3 goes to the crew quarters. No. 1 unsuits. No. 5 goes to the crew quarters. No. 3 and No. 5 get things from their bunks. No. 1 works with his samples in the wet room.
- 6:40 No. 3 goes to the bridge. He turns down the Herb Alpert cassette. No. 4 goes to the viewport in the engine room.
- 6:41 No. 4 vacuums the engine room. No. 5 snacks in the crew quarters.
- 6:42 No. 4 goes to the head.
- 6:43 No. 4 goes to the bridge. He picks up his Coke. No. 3 goes to the crew quarters. He gets his camera and returns to the bridge. The Herb Alpert cassette is now over. No. 4 takes it out, flips it over, and plays the other side. No. 3 discusses taking pictures in the habitat with No. 4. They discuss how to avoid window reflections.
- 6:45 No. 5 goes to the bridge. He puts the lights off, then back on again. No. 5 sits and reads a magazine. No. 3 does some work. No. 4 finishes his Coke. He straightens up the bridge. Then No. 4 goes to the head, checking the engine room gauges on the way.
- 6:50 No. 4 goes to the tunnel. He looks over the scene in the bridge. Then he enters, and watches No. 3 and No. 5. No. 5 is still reading a magazine (the Little Annie Fannie section of Playboy). No. 3 is still working. No. 4 sits on the floor and works with some things he keeps in a box.
- 6:53 No. 5 shows No. 4 a cartoon from Playboy. No. 4 tells about a cartoon he saw in the same magazine. Then No. 5 goes back to reading and No. 4 goes back to his work.
- 6:54 No. 4 goes to the crew quarters. No. 1 is in the shower. No. 4 looks in the refrigerator. He puts some fruit on the table for everyone.
- 6:56 No. 4 goes to the bridge after checking his watch.

- 6:57 No. 1 goes to the bridge. He looks over the scene. No. 4 asks how it went. No. 1 says OK. No. 4 is sitting with his feet up eating a snack. No. 1 goes to the crew quarters and gets some things in his bunk. Then he gets a Coke from the refrigerator. No. 3 plays with his camera in the bridge. No. 1 looks over the data which he now has piled on his bunk. No. 4 reads in the bridge. No. 5 is still reading Playboy. No. 3 looks over the cassettes. The Herb Alpert tape is now over and No. 3 is whistling a tune from it. No. 3 is preparing to take some pictures. He fiddles with his flash attachment, taking it from its box and then gets a light reading. No. 3 caps the lens of the bridge so that he can take a flash picture. He does so, then opens the cap.
- 7:04 No. 3 goes to the wet room. He covers the lens there, and begins to take pictures.
- 7:07 No. 3 uncovers the wet room lens. He goes to the engine room.
- 7:10 No. 4 goes to the wet room holding his camera. No. 1 is standing in front of the TV camera in the crew quarters, looking out the viewport there. Then No. 1 goes to the bridge. No. 3 covers the engine room lens and takes a picture.
- 7:12 No. 1 puts on some more music by Herb Alpert. No. 3 takes a picture of the bridge from the tunnel.
- 7:13 No. 3 goes to the bridge. No. 1 is sitting there listening to Herb Alpert. No. 5 is still reading Playboy. No. 3 stands there and looks over the scene for a moment.
- 7:14 No. 3 goes on to the crew quarters. No. 4 gives up on waiting for some topside divers who were supposed to deliver some things and proceeds to straighten up the wet room. No. 3 fiddles with his camera in the crew quarters.
- 7:16 The divers come. No. 4 hands down into the well the things the divers are to carry topside. No. 3 takes some pictures in the crew quarters. No. 4 puts his underwater camera in the well for a topside diver to take for film loading topside (there is less likelihood of an explosion while diving this way). Then No. 4 goes back to fixing the gear in the wet room.
- 7:20 No. 2 is back in the wet room. No. 4 goes to the bridge. He lies down on the floor and rests. No. 1 listens to Herb Alpert. No. 3 finishes taking pictures in the crew quarters, then looks out the viewport. He takes a picture out of the viewport.
- 7:25 No. 4 gets a book. No. 3 goes to the bridge. No. 4 yawns. No. 3 covers the TV camera lens to take some pictures. No. 4 talks a bit with No. 1.



- 7:26 No. 3 uncovers the bridge camera lens. He goes to the engine room. No. 5 joins the conversation between No. 1 and No. 4.
- 7:28 No. 3 covers the engine room lens again. He takes a picture of the engine room through the tunnel.
- 7:29 No. 3 uncovers the engine room TV camera lens.
- 7:30 No. 5 goes to the wet room. No. 3 goes to the bridge. No. 2 and No. 5 chat in the wet room. No. 3 goes to the crew quarters.
- 7:32 No. 1 and No. 4 talk about analysis of data. No. 1 talks about astronauts going stir-crazy, the scene through the viewport for tonight, squid, and No. 4's sore throat. No. 2 goes to the bridge. No. 3 goes to the wet room. In the bridge, No. 4 sees his camera, which he has sent topside for loading of fresh film, on the desk in the command van through the two-way TV. The Herb Alpert cassette is over. No. 4 says, "Well, it's music time again sports fans." He puts on a cassette of the singing of Nillson. No. 2 is in the viewport of the bridge. He calls No. 4's attention to a big fish swimming past. No. 3 is working in the wet room. No. 5 goes to the head.
- 7:44 No. 5 goes to the viewport in the bridge after leaving the engine room. No. 2, No. 4, and No. 1 are talking. No. 5 reads over No. 4's shoulder. No. 4 balks slightly at having No. 5 read his things. No. 5 goes to the wet room. No. 4 says, "You guys with degrees think you're the only ones with any intellectual activity." No. 5 returns, and he shows No. 4 something. No. 4 shows No. 5 what he's writing.
- 7:47 No. 4 draws pictures for No. 2 and No. 5. No. 1 reclines and listens to Herb Alpert.
- 7:50 No. 2 goes to the crew quarters. No. 4 and No. 5 talk about hiking.
- 7:54 The topside support team for No. 1 is in the command van. No. 1 sees them immediately. He asks one of them to go to the Bogen telephone. No. 4 glances up at the two-way TV as he chats with No. 5. No. 2 reads in the crew quarters. No. 1 talks quietly with his topside support person, but seems to be chewing them out. No. 4 and No. 5 chat in the bridge about an observation made by No. 4, something he wrote late one night. They talk about some unusual rocks he saw on a hike. They continue to chatter.
- 8:05 The other topside support team member is now on the Bogen with No. 1. Then No. 1 starts really chewing them out. Says his blood pressure is at 130. No. 4 looks at the camera. No. 2 goes to the bridge. No. 1 slams down the phone. He goes to the bridge with some coffee. No. 1 asks the topside engineer about the good looking girl he had on his arm this afternoon. Then he says,

"Oweee, put some music on." No. 4 puts on a Herb Alpert cassette. He says to No. 1 that the first piece on the tape is ordinary, but that he expects No. 1 to perk up with the second.

- 8:12 No. 2 gets out his camera and goes to the crew quarters. No. 4 also goes to the crew quarters. No. 5 works at his research apparatus in the bridge, at the desk to the left of the TV pictures. No. 1 listens to the music. No. 2 snacks and writes in the crew quarters. No. 4 starts cooking. No. 3 is still working in the wet room.
- 8:17 No. 3 goes to the crew quarters. He sits and writes on the table there, along with No. 2.
- 8:25 No. 1 puts on "Gaieté Parisienne." He then does some work. No. 5, joining the group in the crew quarters, fills out his habitability forms for today.
- 8:28 No. 1 puts on a tape cassette by Simon and Garfunkle. No. 4 gets the food in the oven.
- 8:29 No. 1 puts on a tape cassette by Sammy Kaye. No. 4 goes to the bridge and chats with No. 1.
- 8:35 No. 5 goes to the bridge. He chats with No. 1 and No. 4. The Simon and Garfunkle cassette is back on now.
- 8:35 No. 5 goes to the wet room. No. 1 and No. 4 chat. No. 4: "You're awfully quiet, tonight No. 1. Is anything wrong? You want to tell me about it?" (No. 1 has in fact been unusually quiet for him.)
- 8:36 No. 5 goes to the bridge. He asks if anyone has any camera film. No. 1 says, "Yeah, I've got some, but you can't have any. You ask me a question, I give you an answer." A Herb Alpert cassette is on now, and is being played very loud. No. 3 goes to the bridge, and then to the wet room. Somebody turns the volume of the Herb Alpert cassette down a bit.
- 8:39 No. 1 watches No. 4 and No. 5 talk.
- 8:40 No. 5 goes to the head. No. 2 is still writing in the crew quarters.
- 8:41 No. 1 puts back on the cassette of music by Simon and Garfunkle. No. 1 says, "I really don't see how they made it for 60 days without going bananas, especially because they didn't have that much research to do. They just sat around here a lot."

Our observations for today end at this point.

## DAY 12

- 3:40 P.m. No. 3 and No. 4 chat in the bridge. No. 1 and No. 2 chat in the crew quarters. No. 5 works in the crew quarters.
- 3:45 No. 4 goes to the engine room. No. 1, No. 2 and No. 5 chat in the crew quarters. No. 3 goes to the engine room.
- 3:46 No. 1 goes to the tunnel. He talks to No. 4. No. 5 is snacking.
- 3:47 No. 2 goes to the bridge. No. 1, No. 3 and No. 4 chat in the engine room. No. 1 calls No. 2 to the tunnel. No. 1 sings. No. 2 laughs. No. 4 explains how the new toilet works. All aquanauts, except No. 5 who is still snacking in the crew quarters, listen to the explanation. No. 1 jokes about the music it will play when you sit on it.
- 3:52 No. 3 goes to the crew quarters. No. 2 goes to the wet room. No. 1 and No. 4 talk. No. 5 is snacking and washing dishes. No. 3 gets his camera and goes to the bridge.
- 3:53 No. 3 crawls in the tunnel. No. 1 and No. 4 are there already talking.
- 3:54 No. 3 goes to the engine room. He covers the TV camera lens and takes pictures of the new toilet. No. 1 accuses him of being a Russian spy.
- 3:57 No. 4 goes to the bridge. No. 3 and No. 1 joke in the tunnel.
- 3:58 No. 1 goes to the bridge and reminds No. 4 of a Playboy joke, which brings about a good deal of laughter.
- 4:00 No. 5 goes to the bridge. No. 3 goes to the wet room.
- 4:01 No. 1 looks at the two-way TV. No. 5 and No. 4 go to the engine room. No. 4 shows No. 5 how to use the new toilet. No. 1 gives topside a new addition to the dive plan for today.
- 4:02 No. 3 covers the wet room lens and takes pictures there. No. 1 puts on a tape cassette of Johnny Cash singing. He puts the volume on very loud and goes to the tunnel. He watches No. 4 and No. 5 fixing up the new toilet while lying on his back in the tunnel.
- 4:03 No. 3 uncovers the lens of the wet room and works at the bench. No. 2, in the wet room, puts on his weight belt.

- 4:05 No. 1, No. 4, and No. 5 talk about the new toilet, joke, and enjoy themselves with laughter. Meanwhile, No. 2 goes out into the water using the hookah. He is taking pictures. No. 4 goes to the bridge and talks to topside about cotton swabs to be used in taking samples of bacteria on the new toilet. No. 3 goes to the bridge with his camera. No. 3 takes a picture of No. 4 talking to topside. No. 1 goes to the bridge, protesting the new toilet is not comfortable. No. 3 takes some more pictures.
- 4:10 No. 5 is in the engine room looking at the new head. No. 4 says, "Hey No. 5." No. 5 comes to the bridge. No. 4 explains about the swabs.
- 4:11 No. 3 whistles with his camera in the bridge. No. 1 sits with his feet up. The Johnny Cash cassette is over. No. 5 goes to use the new head.
- 4:12 No. 5 says, "What do I do with the thing now?" No. 1 doesn't like the whole idea of the new head or the swabs, and says as for their use, "I'm not doing it."
- 4:15 No. 1, No. 3, No. 4, and No. 5 joke in the bridge.
- 4:16 No. 5 goes to the crew quarters. There has been some confusion about wetting the swabs, and topside sends down a message about this.
- 4:18 No. 2 is now back in the wet room after being out on the hookah.
- 4:19 No. 4 goes to the engine room and moves the new toilet. No. 1 watches the two-way TV. No. 3 takes pictures in the crew quarters.
- 4:21 No. 4 adjusts the TV camera in the engine room. No. 1 from the bridge gives him feedback as to the focus. No. 3 goes to work at a desk in the bridge. No. 5 washes his hands in the crew quarters. He gets some things out of his bunk. No. 2 works in the wet room.
- 4:25 No. 5 snacks in the crew quarters.
- 4:26 No. 5 goes to the bridge. He looks at No. 1 and goes to the engine room. No. 4 speaks to him there about sampling with the swabs. No. 4 and No. 5 return to the bridge, and No. 4 shows No. 5 how to collect the samples. No. 1 puts a tape cassette on, the Beatles singing "Paperback Writer." No. 2 showers. No. 1 watches the explanation about the swabs.
- 4:30 No. 5 goes to the crew quarters. No. 1 turns up the cassette by the Beatles who are now singing "Lady Madonna." No. 1 then stands in the bridge watching the two-way TV. No. 4 takes a picture of the instructions that came with the new head.

- 4:32 No. 5 goes to the wet room and talks with No. 2.
- 4:33 No. 1 wiggles the volume control of the tape recorder in beat with the Beatles singing. No. 4 says to No. 1, "I was hoping your mood would pick up a little. We need some action around here." No. 1 says, "Wait until Tektite III, I'll have 12 support teams on the surface and one aquanaut below." No. 1 and No. 4 talk in the bridge. No. 2 and No. 5 work in the wet room.
- 4:37 No. 1 lies on the floor. He listens to the Beatles singing "Hey Jude." No. 3 is still working on the bridge. No. 4 is working while sitting on the floor.
- 4:45 No. 2 goes to the crew quarters, and writes there.
- 4:50 No. 5 goes to the crew quarters. He relaxes with a book on his bunk.
- 4:59 No. 3 continues working at a desk on the bridge, and No. 4 is still working on the floor in the bridge. No. 1 goes to the crew quarters and has a snack. No. 1 and No. 2 talk. No. 5 is in his bunk.
- 5:03 No. 4 goes to the crew quarters. No. 1 and No. 2 continue to chat. No. 4 snacks, listens and watches. No. 1, No. 2, and No. 4 are eating cookies. No. 1 wants to design a 3000-ft electronic arm which would pick up samples outside the habitat so the diver would not have to go outside the habitat at all. No. 2 is still writing a letter. No. 1 and No. 4 talk about the cupola.
- 5:11 No. 1, in response to a question from No. 4 about how things are going with an instrument he was having trouble with, says: "My machines are all working fine, just my people are having trouble." No. 4 asks "What's the matter with your surface team?" No. 1: "My surface team is fine." No. 4 asks: "What's the matter?" No. 1 makes no response.
- 5:14 No. 1 talks to No. 2. No. 4 goes to the bridge and talks to No. 3, then sits on the floor and works. No. 1 tells the command van he cannot give them a dive plan today. No. 4 will only let him use the new head he installed. No. 1 says he won't, so he feels terrible and has to take it out on someone.
- 5:18 No. 4 takes a picture of No. 3 working, whistles, and goes to the crew quarters. No. 1 and No. 2 continue to talk.
- 5:21 No. 3 goes to the engine room and stares at the new head. Topside asks No. 4 to come to the Bogen telephone. He does so. No. 5 meanwhile leaves his book in his bunk and goes to the bridge to work.

- 5:23 No. 3 goes back to the bridge. He looks at No. 5 working, looks at the two-way TV, and then goes back to the engine room and the head.
- 5:25 No. 1 leaving the crew quarters muttering, goes to the head. No. 3 waits outside.
- 5:26 No. 3 goes to the bridge and talks to No. 5. No. 2 goes to the bridge and wanders around.
- 5:27 No. 3 wanders around.
- 5:28 No. 2 goes to his bunk and continues with his letter writing. No. 5 is working, but occasionally chats with No. 3. Then No. 3 finds something to do in front of the two-way TV.
- 5:29 No. 1 goes to the wet room and prepares for a dive. He explains to topside that he is waiting for No. 4.
- 5:37 No. 3 and No. 5 watch the two-way TV. Then No. 5 goes back to work, while No. 3 continues to watch. No. 2 goes to the bridge and watches with No. 3. Then No. 2 goes to the wet room. No. 1 is singing "Octopus's Garden." No. 2 watches him.
- 5:44 No. 1 is out on the hookah. He gets some double air tanks which have been left below the habitat by a support group, brings them up into the well, and then No. 2 pulls them up into the wet room.
- 5:45 No. 5 goes to the crew quarters. He puts some things on his bunk. Then he goes back to the bridge desk where he has been working. No. 1 and No. 2 chat in the wet room.
- 5:47 No. 4 finally puts down the Bogen telephone. No. 4 says something to No. 3 and No. 5 in the bridge.
- 5:49 No. 4 heads for the wet room. No. 1 questions whether or not two coconuts that were sent down from topside will affect the microbe population in the habitat. No. 4 accidentally drops something on his toe. No. 1 says the coconuts are in return for two groupers that were sent to the top. No. 1 says, "That's how currency started." No. 4 asks No. 2 if he's going with No. 1. No. 1 replies that he is not. No. 3 and No. 5 talk on the bridge. No. 1 and No. 4 talk about the rebreathers.
- 5:59 No. 1 and No. 4 go through a pinger check. No. 2 goes to the engine room viewport. No. 3 and No. 5 talk about St. Paul, rich people, the Tektite program, and ethical people.
- 6:04 No. 1 and No. 4 have their gear on for their dive.
- 6:08 No. 2 goes to the head.

- 6:09 No. 1 and No. 4 are in the water. No. 3 and No. 5 talk about various types of diving equipment.
- 6:12 No. 2 goes to the crew quarters and works on his bunk.
- 6:21 No. 2 wanders around the crew quarters, then gets a snack.
- 6:23 No. 3 and No. 5 finish their conversation.
- 6:24 No. 2 goes to the bridge. No. 5 asks him if he has ever had sugar cane. No. 2 has had it before. (Along with the coconuts, some sugar cane was sent down to the crew.)
- 6:25 No. 2 looks over the leisure area. No. 3 goes to the head and No. 5 back to work.
- 6:28 No. 5 goes to the wet room.
- 6:29 No. 3 comes out of the head. No. 3 and No. 5 talk in the engine room.
- 6:30 No. 5 goes to the bridge, then back to the engine room. No. 5 goes in the head while No. 3 talks to him from the engine room. No. 2 is trying to put on a TV film and can't figure out how to do it.
- 6:34 No. 2 finally gets the TV film on, it is "Bracken's World." No. 2 goes to the crew quarters and then back to the bridge to watch.
- 6:36 No. 5 comes out of the head area, and heads toward the crew quarters. No. 2 says, "It's not very interesting." No. 2 turns off the film.
- 6:37 No. 5 reads a book on his bunk. No. 3 goes to the head. No. 2 puts on another film.
- 6:38 A NASA film is playing of "A Voyage to the Moon." No. 2 goes to the viewport in the bridge and looks out of it.
- 6:40 No. 2 goes to the crew quarters. He plays with the TV receiver there.
- 6:41 No. 3 comes out of the head. He goes to the bridge, and watches the NASA film. No. 2, in the crew quarters, watches from his bunk. No. 1 and No. 4 return to the wet room from their dive.
- 6:46 No. 2 writes a letter, but leaves the film on. No. 1 in the wet room sings "Octopus's Garden."

- 6:48 An Allen wrench and some oxygen bottles arrive via a topside support diver (who hands them up out of the water, but does not break the surface himself, as is the custom on all support dives). No. 1 says: "You're a gentleman and a scholar, No. 4." No. 4 comes out of the shower, talks about how he admires No. 2's ability to name off all the fish with their Latin names. No. 1 continues with "Octopus's Garden," then sings another song about marriage. No. 1 says, "When I come down here I don't fool around with rubber bands and scotch tape. I come here to get a job done right."
- 6:55 No. 4 goes to the head.
- 6:56 No. 4 goes to the bridge, looks around, and asks No. 3 what the picture is that he is watching.
- 6:57 No. 4 asks No. 3 about the characteristics of a little fish with a bar on it. He shows it to him in the Caribbean Reef Fish book.
- 7:00 No. 4 is still reading the fish book. No. 3 watches the TV. No. 2 writes a letter. No. 5 is in his bunk with the curtains partly closed. No. 1 showers.
- 7:04 No. 1 dries off.
- 7:05 No. 1 watches from the tunnel. No. 4 chats with him a bit.
- 7:06 No. 1 looks at the coconuts and other types of native food that were sent down today.
- 7:07 No. 1 goes back to the wet room, gets something, goes back to the bridge, and fiddles with some wrenches and a camera. No. 4 works with some components of the new head on the floor.
- 7:09 No. 4 helps No. 1 with his wrenches. No. 2 goes to the bridge and chats with No. 1. No. 4 works on No. 1's camera with the wrenches. The rest chat and watch TV.
- 7:18 No. 4 goes to the crew quarters and looks over the food situation.
- 7:28 No. 1 and No. 2 chat. No. 3 watches the TV. No. 5 is still in his bunk. No. 4 gets some food for himself and watches TV while he eats.
- 7:35 The film is over. No. 1 tells No. 2 to put it on rewind. He suggests they watch "Mission Impossible" next. No. 3 works at a desk, in the same spot he had been watching the film. No. 4 finishes eating.
- 7:36 No. 4 goes to the bridge and looks out the viewport.



7:38 No. 1 says: "As soon as I get out of here I'm going to St. Croix with a topside friend. We'll get bombed!"

7:39 No. 4 asks, "Do you want me to explain about this new head?" No. 1 replies, "No, I'm not going to cooperate until the director topside justifies this program. You want to watch "Mission Impossible" with us?" There is a pause, then No. 1 says, "I came down here to do good science and what do they do, ask me to swab the new head, hand the swab to them and say, here's my contribution."

7:42 "Mission Impossible" is now on the TV. No. 3 talks with No. 4 about the program.

7:46 The lights are now out in the bridge. No. 1 and No. 4 talk about how much they like old James Bond movies. No. 3 goes to the crew quarters and watches from there.

7:47 No. 1 and No. 2 talk in the bridge.

7:52 No. 1 and No. 4 talk about the topside director coming to visit them tonight. No. 1 complains about how the Jeep in the show is painted to look foreign.

7:55 No. 1 says, "I'm going to get some water. I'm emptying my bladder a lot because I'm all worked up."

7:56 No. 1 watches "Mission Impossible" from the crew quarters.

7:58 No. 1 is back in the bridge. He talks about how all these shows are made in the parking lot of some movie studio in Hollywood.

8:01 No. 3, while watching "Mission Impossible" in the crew quarters, gets out some food and a plate.

8:08 No. 4 is called to the Bogen telephone. It is the topside director. No. 4 explains that some things are missing for the new head.

8:13 No. 2 goes to the crew quarters and snacks.

8:15 No. 2 pulls the curtains completely closed for No. 5 who looks like he is napping.

8:16 No. 5 opens the curtains.

8:17 No. 4 goes back to the bridge. No. 2 and No. 3 watch "Mission Impossible" from the crew quarters. No. 5 joins in watching it.

8:30 No. 1 goes to the crew quarters. He chats with No. 2.

8:31 No. 1 goes back to the bridge.

8:34 "Mission Impossible" is over.

8:35 No. 3 and No. 5 go to the bridge and talk about the dive plan.

8:37 No. 2 goes to the bridge. No. 3 goes back to the crew quarters and looks at a paperback book.

8:40 No. 4 explains to everyone how the new head works, how the swabs work, and how to make the appropriate check marks on the form that goes with the head. No. 1 goes to the crew quarters.

8:49 No. 3 and No. 5 go to the wet room. No. 2 goes to the crew quarters. No. 4 goes to use the new head. No. 1 is now back in the bridge. No. 2 is lying on his bunk, and looking at a book.

8:58 No. 2 goes to the bridge. It is quiet there. He goes on to the wet room.

8:59 No. 4 returns to the bridge. He laughs and talks to No. 1. There is no response from No. 1. No. 4 goes to the wet room. He takes a picture of No. 3 and No. 5 suiting up for their dive. No. 2 watches and fiddles with gear.

9:04 No. 4 shows them the picture. Then he goes to the bridge. He turns on some of the desk lights, and works with papers. No. 2 goes out on hookah.

9:06 No. 4 goes to the head with a bucket. Then he goes back to the bridge. No. 3 and No. 5 leave for their dive.

9:09 No. 4 goes to the wet room.

9:11 No. 4 goes to the tunnel, then back to the bridge and tinkers. No. 1 meanwhile has gone to the crew quarters.

9:12 No. 4 goes to the crew quarters and gets a Coke. He flips through the pages of a book.

9:14 No. 4 goes back to the bridge. No. 1 is lying on his bunk and is quiet. No. 4 works at the desk in the bridge.

9:20 No. 4 puts a tape cassette of the Beatles on the tape recorder. No. 1 is napping, with the curtains of his bunk half-closed.

9:31 The Beatles cassette ends.

9:32 No. 4 puts on another Beatles' cassette, "Hey Jude."

9:55 No. 5 shows No. 4 an octopus through the bridge viewport. (No. 5 is outside, No. 4 is inside.)

9:41 No. 2 returns. He takes a long shower.

9:50 No. 2 puts a swimming suit on and works in the wet room.

9:51 No. 2 goes to the bridge. He chats with No. 4 about a big fish he saw (between 70 and 100 lb). No. 4 is working on the habitability assessment ratings scales and complains that it is taking forever. He asks No. 2 if he has finished his.

9:54 No. 2 goes to the crew quarters. The lights are out. No. 2 puts on his bunk light. All is quiet.

10:03 No. 4 rewinds a tape, then puts on the Mozart piano concerto.

10:05 No. 3 and No. 5 return from their dive. No. 3 showers while No. 5 unsuits.

10:16 The safety boat topside is having some problems with their motor. No. 4, in the bridge, is informed of this. He goes to the wet room. No. 3 is now out of the shower. No. 4 takes a picture of No. 3 and No. 5.

10:20 No. 4 shows the picture to No. 3, then takes another of No. 3 while No. 5 is showering.

10:21 No. 4 goes to the bridge, and tidies up a bit.

10:23 No. 3 and No. 5 chat in the wet room. No. 5 is done with his shower.

10:25 No. 3 goes to the head. No. 4 puts on the other side of the Mozart Piano Concerto cassette.

10:26 No. 3 goes to the bridge, then to the crew quarters.

10:27 No. 1 wakes up. No. 3 snacks. No. 5 goes to the bridge. No. 1 goes to the bridge. He is planning how he is going to go to the top man in the project about the new head.

10:29 No. 1 states, "We should have had a five monkey team down here." No. 2 and No. 3 talk in the crew quarters about the latest shipment of food, and about the big snapper which sometimes swims by the viewport. No. 3 is snacking.

10:30 No. 5 goes to the wet room. No. 4 complains, "The only trouble with this team is that it just seems to generate too much carbon dioxide." No. 5 is working in the wet room at the shelves.

10:32 No. 1 says, "Tektite II people don't care, or those that do don't know what they're doing; this project is a bust in some ways."

- 10:34 No. 3 puts the plates away. No. 2 closes his curtains for the night.
- 10:36 No. 1 criticizes the depth limitation imposed on the divers. He says most research involved in the project doesn't really justify the habitat concept, it could be done as well from the surface. No. 1 plans to write an article just on that, and he feels there are too many sightseers involved in the project.
- 10:40 No. 1 says, "We need someone with power here. The people who are now directing Tektite talk out of both sides of their mouth. The training program is so weak it's ridiculous. I've even seen aquanauts go down to the habitat with no fins. One director says X; another says Z; and the third says either. Too many people forget, it's a privilege to go down here. I will say they've done everything that can be done to see everything goes well down here, but there is too much in the way of politics up there. We need to track the problem out here, not in Washington. The only ones concerned about us and the work that has to be done here are a bunch of 14-year-old kids. It hurts. It may be five years before this can happen again. We need a team with professional thrust. You have to hit it straight on. We need someone to be a leader here. This multiorganization thing is a big problem here. Don't tell me it can't be done; it has been done and it can be done."
- 10:50 No. 1 continues, "I can put together a team right now that could work together and in a few months could make everyone sit up and say 'what?'." No. 4 replies, "I believe it, but could you pay for it? There's undoubtedly another habitat available now for someone who can fund it." No. 1 says, "I'm so close to it now. I need about two more key people in my laboratory and I'll be all set. This world is too timorous right now, there's only a few people with courage and foresight. No one will stick his neck out." Meanwhile, No. 5 leaves the wet room and proceeds to the crew quarters.
- 10:55 No. 3 and No. 5 talk quietly in the crew quarters.
- 10:57 No. 5 goes to the bridge and works at a desk there. No. 1 continues to complain to No. 4 about the lack of uniform policy top-side.
- 10:59 No. 1 goes to the crew quarters and gets a snack. He goes back to the bridge.
- 11:00 No. 4 talks about the fact that one of the directors of the project is strong and persistent even if he isn't a good administrator. No. 1 complains strongly about the interorganizational character of the project, making it especially difficult to recognize any one line of leadership. "One group puts in some money, then wants to call some shots, and those guys up there let them get away with it,

just because the group put some money into it. I would have them take the money and stuff it up their nose. I would have got the money from the Chinese Government instead if I would have had to, because the money to start would pay off later wherever it came from. The directors here either can't see the picture, or they can, but aren't forceful and are just interested in politics."

- 11:07 No. 1 continues to talk about the administrative difficulties inherent in the interorganizational structure of the program and complains about the lack of coordination resulting for the scientists. Too often the program just lets the scientists "wander around" he feels. He also complains about the minitab, and No. 4 joins him on that issue.
- 11:16 No. 3 puts some things in his bed. No. 5 works on the bridge, listening at times to the conversation between No. 1 and No. 4. No. 3 tapes a picture into a log he is keeping. No. 1 and No. 4 continue to talk. No. 4 is saying a cost analysis should have been done on the project.
- 11:20 No. 3 joins No. 1, No. 4 and No. 5 in the bridge and they look over the dive plan. No. 5 asks about a host fish, No. 1 asks about a huge grouper, and the tarpon out tonight. No. 5 says something about the evasion pattern of the little fish that the tarpon chase. No. 3 reads Playboy during the conversation. There is more discussion about eardrops, and No. 4 proposes ultraviolet light in the habitat to kill harmful germs. No. 4 says that the topside director told him he had a cable from Washington wanting to know if No. 1 had used the new head.
- 11:30 No. 1 goes to the wet room. No. 4 talks with No. 5 about a cleanser. Then No. 4 and No. 5 look out the viewport. No. 3 works at a desk. No. 4 goes to the head. No. 5 waits.
- 11:32 No. 4 goes to the wet room and No. 5 goes to the head. No. 1 and No. 4 chat a bit and start to suit up for a dive.
- 11:37 No. 4 sings "Hey Jude" while suiting up.
- 11:38 No. 5 comes out of the head and goes to the wet room. Then No. 5 goes back to the head again.
- 11:41 No. 3 goes to the engine room viewport.
- 11:42 No. 3 goes to the bridge.
- 11:45 No. 5 is out of the head. He looks down at No. 4 and No. 1 preparing in the wet room, then goes to a desk in the bridge. He talks a few moments with No. 3. No. 3 goes to look out the viewport, while still talking.

- 11:47 No. 3 leaves the viewport, and then No. 3 and No. 5 watch the two-way TV. No. 1 and No. 4 go through a pinger check in the wet room.
- 11:49 No. 5 goes to the crew quarters. The lights are out. He gets in his bunk and puts on his bunk light. No. 3 watches the two-way TV, checks the view from the engine room viewport, and goes to bed.
- 11:50 No. 1 and No. 4 are out in the water. No. 5 reads in his bunk.
- 11:52 No. 5 goes to sleep.
- 12:20 No. 1 returns from his dive.
- 12:21 No. 4 returns. They talk about swimming fast and other things while they unsuit. No. 4 helps No. 1 out of his wet suit. Then No. 4 takes a shower. No. 1 brings in the night lights and a sample.
- 12:27 No. 5 gets out of his bunk, and goes to the wet room to get something.
- 12:29 No. 5 goes back to his bunk in the crew quarters. No. 1 says to No. 4, "No. 4, you're a gentleman and a scholar. Thanks for your help." No. 4 replies, "I enjoyed it." No. 1 says, "Going out there, it's like being on a stroll in the woods! I get carried away with that."
- 12:34 No. 4 goes to the head.
- 12:35 No. 4 goes to the bridge.

Our observations for the day end here.

### DAY 13

- 3:30 p.m. No. 3, No. 4, and No. 5 are in the water on a dive. No. 1 and No. 2 chat on the bridge.
- 3:45 One of No. 1's topside support group arrive in the command van topside. The watch director notifies No. 1 of this fact. No. 1 asks if the person can wait a minute and continues to chat with No. 2.
- 3:55 No. 2 waves to the topside support crew member via the two-way TV, and No. 1 goes to the Bogen telephone.
- 3:58 No. 2 puts on some Bob Dylan.
- 4:00 No. 1 finishes on the Bogen. He comes to the bridge.
- 4:01 The topside crew member asks to speak to No. 2. They do so on the two-way TV. No. 1 goes to the wet room. He asks topside for permission to go out on the hookah. No. 2 ends his conversation and goes to the crew quarters.
- 4:03 No. 2 goes back to the bridge and works at a desk. No. 1 goes out to take a sample.
- 4:09 No. 1 returns and dries off in the wet room.
- 4:10 The Bob Dylan tape ends. No. 2 flips it over to play the other side.
- 4:13 No. 1 showers.
- 4:16 No. 1 dries off again. Then he goes to the bridge and chats with No. 2 while the other side of the Dylan cassette is playing.
- 4:17 No. 1 turns off Dylan, and speaks to the topside visitors above.
- 4:18 No. 1 talks with No. 2 and they put Dylan back on.
- 4:25 No. 3 returns from his dive and unsuits. He works in the wet room. No. 1 and No. 2 talk about topside people and other things.
- 4:30 The Dylan cassette is over. No. 2 puts on a cassette sampler with Sammy Kaye, various vocalists, etc.
- 4:41 No. 3 goes out through the well on the hookah.
- 4:48 No. 1 and No. 2 put on a Herb Alpert cassette and continue to chat, about Woods Hole, California, etc.
- 4:58 No. 1 and No. 2 put on a Simon and Garfunkle tape and chat some more.

- 5:10 No. 1 and No. 2 are still chatting, now about Tektite. They now have on a cassette with a popular guitar and a harpsichord.
- 5:16 No. 3 returns to the wet room from the water. The tape is over in the bridge. The chatter between No. 1 and No. 2 continues. No. 3 works in the wet room.
- 5:33 No. 4 returns from his dive. No. 3 is still working in the wet room. Next No. 5 returns. No. 1 and No. 2 are still chatting in the bridge, now with some Beatles music on quietly in the background.
- 5:40 No. 3 goes to the head. No. 4 and No. 5 unsuit and chat a bit in the wet room.
- 5:41 No. 3 goes to his bunk in the crew quarters, then he works with some equipment on the table there.
- 5:52 No. 5 goes to the head. No. 1 is giggling wildly in the bridge.
- 5:54 No. 5 returns to the wet room. No. 4 and No. 5 work on the rebreathers. No. 3 is now writing on the table in the crew quarters.
- 5:57 No. 3 goes to the wet room and does some work with things on the higher shelves. No. 5 works there also. No. 4 fixes the rebreathers. No. 1 and No. 2 still talk on the bridge, with the Beatles on quietly in the background.
- 6:11 No. 4 goes to the bridge. He watches No. 1 and No. 2 talk and fiddles with his camera.
- 6:14 No. 4 goes to the engine room port, then returns to the wet room. He continues to fiddle with his camera.
- 6:17 No. 1 goes to the wet room to get ready for a dive. No. 2 also goes to the wet room.
- 6:19 No. 4 goes to the engine room, and gets a bag for No. 1's trash so it won't foul the bilge. No. 3 and No. 5 work. No. 1 suits up. No. 2 watches.
- 6:20 No. 4 returns to the wet room with the bag and then reads the postdive rebreather check list to topside.
- 6:21 No. 4 jokes with No. 1.
- 6:22 No. 1 goes out on the hookah. No. 4 goes to the head in the engine room.



- 6:24 No. 3 goes to the crew quarters. He goes back to writing there. No. 2 and No. 5 work on gear in the wet room. No. 4 goes to the bridge and chats with topside.
- 6:30 No. 1 returns to the wet room. He asks No. 4 to stop talking with topside so he can get his dive underway. He then gives topside a pinger check. No. 4 writes briefly in the bridge, and then goes to the crew quarters to talk with topside on the Bogen telephone which will not interrupt the conversation between No. 1 and topside about the coming dive.
- 6:33 No. 5 helps No. 2 suit up. No. 4 explains things to topside. No. 1 is in the water.
- 6:34 No. 2 is in the water. No. 5 fixes some gear.
- 6:35 No. 5 goes to the crew quarters. No. 4 gets out some food while he continues to talk on the Bogen. No. 3 reads. No. 5 works on some equipment.
- 6:43 No. 3 goes to the bridge, and uses the desk in front of the two-way TV to write. No. 4 asks No. 5 if he wants some of what he is making out of the food he found in the refrigerator, "We got some pork chops here. You like pork chops?" No. 5 responds, "Would you like to cook them up?" No. 5 has to do some specimens.
- 6:46 No. 4 and No. 5 snack on something else instead. No. 4 looks at the Caribbean Reef Fish book while he eats. No. 5 stands.
- 6:48 No. 5 goes to the bridge and works. No. 3 continues to work there.
- 6:50 No. 5 goes to the wet room.
- 6:51 No. 4 goes to the bridge. He chats with the watch director.
- 6:52 No. 4 goes to the engine room viewport.
- 6:54 No. 4 begins a Baralyme change.
- 7:05 No. 1 and No. 2 return from their dives. No. 1 goes back out on the hookah. No. 2 unsuits, and goes to the crew quarters to rest on his bunk. No. 3 goes to the wet room to work.
- 7:15 No. 5 continues to work in the wet room, and No. 3 does also. No. 2 is taking a nap. No. 4 is still doing the Baralyme.
- 7:20 The Baralyme change is complete. No. 5 goes to the crew quarters. No. 2 gets up and puts the light on in the crew quarters. He begins to prepare some food for his supper.

7:22 No. 1 returns from being out on the hookah. No. 4 straightens up the engine room. No. 2 does the dishes in the crew quarters.

7:27 No. 3 goes to the crew quarters and writes.

7:28 No. 4 straightens up the bridge.

7:30 No. 4 vacuums the engine room.

7:31 No. 5 sits down and watches No. 3 write and No. 2 wash the dishes. He chats a bit with No. 3.

7:32 No. 4 goes to the bridge and writes.

7:34 No. 5 helps No. 2 dry the dishes.

7:35 No. 1 goes to the bridge and looks at No. 4, then the two-way TV.

7:36 No. 1 goes to the crew quarters. No. 4 follows him. No. 1 snacks.

7:38 No. 3 goes to the wet room. No. 5 works on the dishes now. No. 4 snacks. No. 2 snacks. There is no talk.

7:45 No. 2 sits on his bunk. No. 1 says something to No. 2.

7:48 No. 2 puts on a cassette of the Serendipity Singers.

7:49 No. 4 returns to the bridge and works. No. 1 reads a letter in his bunk. No. 2 works on his bunk, after changing the cassette to Bob Dylan.

7:51 No. 5 goes to the bridge and asks if some of the food is bad. No. 4 puts on a Beatles cassette at high volume. Bob Dylan is still on in the crew quarters.

8:00 No. 4 turns the Beatles cassette off in the bridge. The Serendipity Singers are back on in the crew quarters. No. 4 rests and watches the two-way TV in the bridge. No. 3 is still working in the wet room. No. 5 is now cooking and fixing up the kitchen area in the crew quarters. No. 1 and No. 2 chat and work in their bunks.

8:09 No. 1 goes to the bridge. He talks with No. 4 about packing up, how to send No. 3's equipment topside, and if they should send the rebreathers topside.

8:16 No. 5 is still cooking. No. 1 says he wants 6 rebreathers for his lab. He and No. 4 chat.

8:21 No. 1 and No. 4 go to the crew quarters.

- 8:22 No. 3 goes to the crew quarters.
- 8:23 The Ravi Shankar and Yehudi Menuhin cassette is on, "East Meets West." No. 5 serves a dinner of pork chops. No. 1 asks where the sloppy joe stuff is. No. 1 talks about cooking, homosexuals, travel, and mobility. During breaks in his rapid, quickly shifting conversation, No. 5 occasionally talks slowly and studiously to No. 4. No. 1 and No. 2 continue to flippantly banter back and forth. In the pauses, No. 3 occasionally joins in about cars, status symbols, and the old life being kind of enjoyable compared to the modern scene. No. 4 is fairly quiet. No. 3 and No. 4 talk a bit. No. 1 and No. 2 continue to chat, now sitting on No. 2's bunk. Then No. 4 tells everyone about how his neighborhood wanted everyone to cut their grass on the same day so they would all have the same height grass. They might all switch over to astroturf so it would be just the same evenness and height all the time, just a sea of plastic grass.
- 8:43 No. 1 joins in and so does No. 5 with stories about lawns. No. 2 cleans the dishes. No. 1 tells a story about No. 2 when he knew him earlier. No. 5 tells a story about California. No. 1 tells about his lessons at motorcycle driving school. No. 3 says some areas are a lot more difficult to drive in than others, and No. 4 tells him about the driving test one has to take to get a license in Texas. No. 1 tells about going to jail one time for telling a policeman he was the fastest gun in Texas and that he was going to shoot him if he gave him a ticket--he goes into much detail about one of his favorite hobbies, finding out how far you can go with a police officer without going to jail.
- 9:10 No. 1 finally finishes his story. Then No. 3 and No. 4 talk about No. 1's story.
- 9:13 No. 3 goes to the wet room.
- 9:14 No. 1 tells about getting arrested in St. Thomas airport for going the wrong way in the parking lot. No. 5 cleans up after the meal.
- 9:18 No. 4 says to No. 1 after hearing his story, "That's why it's important to resist." No. 1 talks some more. No. 4 straightens up the crew quarters. No. 2 goes to the head and then the leisure area.
- 9:21 No. 2 gets a magazine and returns to the crew quarters and reads the magazine standing up. No. 1 tells some stories about the policemen in his home town.
- 9:23 No. 2 puts on the cassette of Blood, Sweat and Tears singing "Spinning Wheels."

- 9:24 No. 1 starts talking about the Democratic Convention in Chicago and the police there.
- 9:25 No. 1 brings up Kent State.
- 9:27 No. 4 goes to the bridge. No. 1 follows, explaining how he'd never make it in the military and how he hates regulations and regimentation. No. 4 tells him some of his Army experiences. No. 2 is still in the crew quarters reading a magazine. No. 1 is lying back while talking in the bridge. The cassette by Blood, Sweat and Tears ends, and No. 2 puts on some jazz by Coltraine. No. 5 finishes cleaning up.
- 9:28 No. 5 goes to the bridge. He listens to No. 4's story about being in charge of the water for his battalion. The jazz is on loud and it is hard for everyone to hear each other. No. 4 says to No. 5: "You want to swim?" No. 5 replies, "Can we go out in about 10 minutes?"
- 9:35 Coltraine's tape is over.
- 9:39 No. 2 puts on a tape by Ray Charles.
- 9:41 No. 1 goes to the crew quarters. He asks No. 2 if he wants to go on a dive with him at midnight. No. 4 has offered to go if No. 2 doesn't want to do it. No. 4 goes to the wet room. No. 5 goes to the head. No. 1 and No. 2 talk in the crew quarters.
- 9:46 No. 5 goes to the wet room. No. 4 and No. 5 suit up. No. 3 is still working there.
- 9:48 No. 2 puts on Blood, Sweat and Tears again. There is more talk with No. 1.
- 9:49 No. 1 goes to his bunk. No. 2 is in his. There continues to be some chat and laughter back and forth.
- 9:52 No. 2 puts on a cassette of Vaughn Monroe singing.
- 9:54 No. 2 goes to the bridge. He comes back to the crew quarters with a camera, putting the music on loud.
- 9:55 He turns the music down.
- 9:56 No. 1 asks the other aquanauts over the intercom how long they will be out. He has to ask twice before he gets an answer.
- 9:58 No. 2 covers the lens for the TV camera in the crew quarters to take pictures. No. 4 and No. 5 are now out in the water.

- 9:59 No. 2 takes the cover back off the lens. No. 2 looks at some things that are on No. 1's bunk.
- 10:01 No. 3 goes to the bridge and gets a magazine. He reads in front of the two-way TV.
- 10:07 No. 2 covers the camera again. The tape is over. It is quiet in the crew quarters.
- 10:14 A new music cassette is put on: Stravinsky's "Rite of Spring." Some laughter can be heard coming from the crew quarters.
- 10:15 No. 3 puts on a cassette of Herb Alpert at high volume in the bridge.
- 10:20 No. 2 goes to the bridge, then goes back to the crew quarters. Meanwhile No. 5 returns to the wet room from his dive.
- 10:21 No. 4 returns.
- 10:22 No. 1 goes to the wet room.
- 10:23 No. 2 uncovers the lens of the TV camera in the crew quarters. No. 4 in the wet room says he had trouble with his night light during the dive just completed. No. 4 and No. 5 proceed to unsuit.
- 10:26 No. 1 is in the water, in the well. No. 2 goes to the bridge. He walks around, finds a book in the leisure area, looks at it very briefly, then throws it back in the closet with the other leisure time activities. He then takes a picture of No. 3 who is still reading a magazine there. No. 2 goes to the leisure area again, then returns to the crew quarters, lies on his bunk and reads a magazine (Playboy).
- 10:29 The Herb Alpert tape is over. No. 3 takes it off, and puts on the other side.
- 10:30 No. 2 flips the magazine on to an upper bunk, then gets a snack.
- 10:31 No. 2 goes to the bridge. He gets something from a bureau, says something to No. 3 which gets a laugh, then goes back to the crew quarters and reads.
- 10:34 No. 3 goes to the wet room and works. No. 1 who has his apparatus set up right next to the spot where No. 3 usually works, says, "I'm just going to be here about 5 minutes."
- 10:35 No. 3 goes back to the bridge, and reads a magazine. Then No. 5 goes to a bridge desk, with his specimens. No. 3 has Herb Alpert on quite softly.

- 10:37 No. 5 returns to the wet room. No. 3 puts on the Herb Alpert music loud. No. 4 and No. 5 joke a bit in the wet room.
- 10:38 No. 1 goes to the bridge and No. 2 also goes to the bridge. No. 1 says they'll be diving all night, and asks No. 2 about the plan.
- 10:41 No. 4 goes to the bridge and listens to the plan.
- 10:44 No. 4 asks about the plan for tomorrow.
- 10:45 No. 4 gets No. 1 a Coke from the crew quarters. Herb Alpert is now on at high volume again. No. 1 is dancing. No. 5 comes to the bridge.
- 10:47 No. 5 returns to the wet room. No. 1 and No. 2 talk. No. 3 looks over the dive plan. No. 5 works in the wet room. No. 4 returns to the bridge. No. 3 comments to No. 1, No. 2 and No. 4 that a longer hookah system would be very helpful in the habitat.
- 10:52 No. 3 turns up the Herb Alpert music and dances to it. No. 4 works at a desk in the bridge. No. 1 and No. 2 talk. No. 3 talks about a game he once played. The Herb Alpert tape is over. No. 3 is holding a ball in his hand, smiling. No. 1 and No. 3 continue to talk to each other, more or less ignoring No. 3.
- 10:56 No. 3 whistles and dances. Somebody puts on the Beatles very loud singing "The Octopus's Garden". No. 1 and No. 2 continue to talk. No. 3 talks with No. 4.
- 10:57 No. 2 goes to the crew quarters. No. 3 goes to the wet room.
- 10:58 No. 5 goes to the crew quarters. No. 2 goes to the bridge and puts on the other side of the Beatles tape.
- 10:59 No. 5 goes to the bridge, and brings a native drink made from sour sap bushes that was sent down to them in the pressure pot yesterday. No. 2 goes to the wet room. No. 2 and No. 3 work in the wet room. No. 5 drinks some of the sour sap.
- 11:00 No. 5 works on opening one of the coconuts. No. 4 proposes they catch some fish for the party that will be held in their honor when they get out of the habitat. No. 1 says you can decimate a reef in no time that way. No. 1 tries to explain how the fish have been wiped out along a number of sea coasts, and No. 5 interrupts him by sharing some of the coconut with No. 4.
- 11:09 No. 5 goes to the engine room with the coconut and hands some down to No. 2 and No. 3 in the wet room. He returns to the bridge, offers No. 4 some more coconut, but No. 4 turns it down.

- 11:10 No. 5 gives No. 4 some of the sour sap drink. No. 1 continues to talk about the damage being done to the sea. He thinks trawling is the single most destructive act perpetrated on the sea. No. 4 and No. 5 listen. No. 2 and No. 3 still work in the wet room.
- 11:16 No. 2 goes to the head.
- 11:18 No. 1 goes to the wet room and suits up. No. 5 talks to No. 4 about edible fish and about films.
- 11:20 No. 2 returns to the wet room. No. 3 meanwhile has gone to the bridge and is looking out the viewport there.
- 11:21 No. 4 tells No. 5 about eating fish, whelk and conch. No. 5 talks about abalone and about fish stew. No. 3 asks about clam chowder from the bridge viewport. No. 4 and No. 5 talk about how to cook shark, and trade good fish recipes. No. 1 and No. 2, in the wet room, are preparing for an evening dive.
- 11:37 No. 3, No. 4 and No. 5 share the coconut in the bridge.
- 11:38 Over the intercom No. 1 asks No. 4 to bring something to the wet room for him. No. 4 does, then returns to the bridge. He gets out his camera. No. 5 eats the coconut and reads a magazine. No. 3 sits and watches. No. 4 also eats some coconut and sits down.
- 11:40 No. 4 puts on music by the Beatles quietly. He sits back and listens.
- 11:41 No. 3 goes to the crew quarters. He gets something, then goes back to the bridge. He looks out the viewport for awhile.
- 11:43 The tape starts sounding strange and poor. No. 4 inspects it and tries it again. It sounds quite bad, but he lets it play anyway.
- 11:45 No. 4 takes out the cassette. He fiddles with it.
- 11:46 No. 4 tries the cassette again. It sounds very poor. No. 5 is still reading a magazine. No. 3 is reading a book.
- 11:47 No. 3 is now taking flash pictures in the bridge without capping the lens of the TV camera. No. 1 and No. 2 leave on their dive.
- 11:49 Topside gets No. 3 to cap the camera. No. 3 takes some movies, discussing brightness, etc. with No. 4 and No. 5 as he does so.
- 12:02 No. 3 goes to the crew quarters, then goes back to the bridge, where the lens is still covered. No. 4 is working on fixing the cassette while No. 3 takes his picture.

- 12:06 No. 4 tries the cassette again. It's no good. No. 5 goes to the head.
- 12:07 No. 4 tries the Beatles cassette again, and still it's not working properly. No. 3 uncovers the bridge TV camera lens, then he goes to the wet room.
- 12:09 No. 4 tries a cassette by Herb Alpert. Then he tries the Beatles cassette again. Then he puts on the Alpert cassette once again. It sounds OK. He leaves it on. No. 3 is setting up camera gear in the wet room.
- 12:11 No. 3 caps the wet room TV camera. No. 5 returns to the bridge. He says goodnight and goes to the crew quarters. No. 4 stretches back in his chair and listens to Herb Alpert.
- 12:14 No. 1 is in the well. He is coming in from the dive temporarily, but plans to be going out again. No. 4 looks at the two-way TV. No. 5 works on his bunk. No. 4 straightens up the bridge, drinks a Coke, then goes to the head. The cassette is still on. No. 2 returns from his dive.
- 12:16 No. 3 uncaps the wet room lens. No. 1 and No. 2 work in the wet room.
- 12:18 No. 3 goes to the crew quarters.
- 12:19 No. 4 fixes his bed in the bridge.
- 12:21 No. 4 goes to the crew quarters, gets a book, goes back to the bridge, and reads the book while lying on his bed.
- 12:22 No. 3 caps the crew quarters TV camera lens. He takes some more pictures.
- 12:24 The Herb Alpert cassette is over.
- 12:25 The crew quarters lens is uncovered. No. 5 is lying on his bunk with a book. No. 3 goes to the viewport in the bridge and watches the events outside for awhile.
- 12:26 No. 3 pulls the curtains closed between the bridge and engine room. In the wet room No. 2 is having trouble opening the lid of a jar. He bangs on it with a knife, then shakes his head.
- 12:28 No. 3 caps the bridge camera. He forgets something, goes to the crew quarters and then back to the bridge.
- 12:32 No. 1 and No. 2 prepare to go out on their dive again.
- 12:34 No. 2 is out of the habitat on a new dive.



- 12:35 No. 1 is out of the habitat with No. 2. No. 3 uncovers the lens in the bridge. The lights are now out in the bridge. No. 3 is still there packing up his gear.
- 12:36 No. 3 goes to the head.
- 12:37 No. 3 goes to the wet room and works.
- 12:40 No. 3 goes to the bridge.
- 12:41 No. 3 goes to the crew quarters and turns the overhead lights out. In the dark, except for the light over the sink, he puts away equipment, tinkers, puts on his pajamas and snacks.
- 12:46 No. 3 puts the sink light out and goes to bed.

Our observations for Day 13 end here.

## DAY 14

- 4:45 P.m. No. 4 and No. 5 are out on a dive. No. 1 and No. 2 are working in the wet room. No. 3 snacks in the crew quarters.
- 4:52 No. 3 goes to the wet room, to do a little work.
- 5:00 No. 3 tinkers in the wet room. No. 1 is jabbering away at No. 2.
- 5:03 No. 3 returns to the crew quarters, holding a plate.
- 5:06 No. 1 and No. 2 are fixing a pressure pot to be sent topside. No. 3 is sitting in the crew quarters at the table, reading and fixing some equipment.
- 5:08 No. 1 and No. 2 drop the pressure pot in the well. No. 3 is fixing some food in the crew quarters. He leaves it cooking and goes to the wet room.
- 5:12 No. 1 and No. 2 go to the crew quarters, sit down and chat with each other. No. 3 works in the wet room.
- 5:20 No. 1 goes to the wet room, then to the bridge.
- 5:21 No. 2 goes to the bridge. He puts on some modern serious music.
- 5:22 No. 2 changes the cassette. He puts on Nillsen. No. 1 and No. 2 chat. No. 2 watches the two-way TV and improves the picture somewhat by adjusting the dials.
- 5:27 No. 2 goes to the crew quarters. Topside notifies No. 1 there is now a new pressure pot in the well. No. 1 goes to the wet room. No. 2 goes to help pull it out and unload it.
- 5:29 No. 1 and No. 2 open the pressure pot in the wet room. They unload it and fix a new one to send topside.
- 5:35 No. 1 and No. 2 put the next pressure pot in the water. No. 1 lowers himself into the well and, from above, helps his topside support diver get the pot out of the well.
- 5:37 No. 3 goes to the bridge. Topside inquires if it is alright to have visitors in the command van. No. 3 says OK. No. 3 goes to the crew quarters, puts on a cassette by Herb Alpert, and cleans the table. Then he checks the food he has been cooking.
- 5:42 No. 1 talks with his topside support group on the wet room telephone (they are on the Pinafore). No. 3 tinkers with some film. No. 2 tinkers in the wet room and waves to a topside support diver through the viewport.

5:50 No. 3 goes to the crew quarters viewport and then to his bunk. He fiddles with some gear there.

5:52 The topside watch director calls No. 1 to the bridge to talk (the audio from the wet room is very poor, partly because of the pinger receiver which is on because two divers are out). No. 2 goes with No. 1.

5:59 No. 4 is back from his dive. No. 3 puts on a cassette by Herb Alpert in the crew quarters.

6:00 No. 1, finished with his conversation to topside, returns to the wet room where he converses with No. 4. No. 2 stays in the bridge, where he puts on a cassette by Tom Jones.

6:01 No. 1 takes a shower. No. 5 is back from his dive.

6:02 No. 2 takes off the cassette by Tom Jones; he puts something on by Simon and Garfunkle instead.

6:03 No. 1 is out of the shower; he kids No. 4 a bit, then complains that he is bored and will put on the TV film, "The War Lord."

6:06 No. 1 goes to the bridge and talks with topside about the plan for bringing equipment and possessions up out of the habitat. One of the topside medical personnel visiting the command van advises the aquanauts below to eat lunch tomorrow before leaving the habitat.

6:07 No. 4 from the wet room, advises topside that the rebreathers can now be picked up.

6:08 No. 1 goes to the refrigerator. He gets a Coke. The Simon and Garfunkle tape is over.

6:09 No. 1 goes to the bridge. He is excited about seeing the War Lord film. No. 3 is still listening to Herb Alpert in the crew quarters while lying on his bunk. No. 1 prepares to put the film on.

6:10 No. 1 goes to the crew quarters and turns off the Herb Alpert tape.

6:11 No. 3 puts the Herb Alpert cassette back on. Meanwhile, No. 1 has gone back to the bridge and put "The War Lord" on the TV. No. 3 then turns off the Herb Alpert cassette. The lights are out in the bridge, when No. 1 and No. 2 watch. No. 4 and No. 5 are still in the wet room, and are discussing the way in which the scientists who can use the Tektite habitat are the key to its success.

6:12 No. 1 informs topside that they can't watch unless they have \$2. Otherwise they would be breaking the isolation rules. If they have any complaints about the rule they should see the topside director.

6:13 No. 5 chats with No. 4 in the wet room. No. 3 watches "The War Lord" from the crew quarters.

6:15 No. 1 goes to the wet room. He gets a weight belt.

6:16 No. 1 asks No. 4 "Are you going to watch the movie with us?" No. 4 answers: "Yeah." No. 1 puts a safety vest on. No. 4 recommends a helmet. No. 1 puts on No. 5's diving hood. No. 4 says to put the meter stick on, as a sword. No. 1 inserts it under the weight belt. No. 1 looks very funny - a takeoff on the Teutonic War Lord. He shows himself to topside, and asks them if the dress will be OK for watching "The War Lord." "I don't have to use a sword. I can sterilize anybody."

6:20 No. 3 turns off the crew quarters lights and watches the film from there standing up. No. 1 goes to the crew quarters and turns on the light. No. 3 laughs at the costume.

6:20 The crew quarter lights are turned off again.

6:21 No. 1 turns the lights on in the bridge, then he shows off for No. 2. Meanwhile No. 5 is finishing showering.

6:22 The lights are put off again in the bridge.

6:26 No. 4 goes to the bridge. No. 5 goes to the head. Then No. 4 and No. 5 attempt to go to the crew quarters. No. 1 blocks the way. He asks "What's the password to the crew quarters? You can't fool around just because it's the last day." No. 4 and No. 5 proceed onto the crew quarters anyway. Then No. 5 returns to the bridge, and No. 1 yells: "A Saxon! A Saxon!" No. 5 returns to the crew quarters. No. 1 announces, "Charlton Heston is a pipsqueak!"

6:28 The lights go on in the crew quarters. There is a discussion about the cooking. No. 4 doesn't feel like cooking. He gets a call on the Bogen telephone from the topside engineer.

6:31 No. 1 announces in the bridge that "Charlton Heston is Lucifer!"

6:36 No. 5 and No. 3 work with things on their bunks. No. 4 talks with topside. No. 3 gets out his camera and takes a picture of the crew quarters TV.

6:40 No. 4 goes to the bridge and watches "The War Lord" there.

- 6:41 No. 5 goes to the wet room. No. 3 takes more pictures. No. 1 asks the topside medical assistant to call a priest.
- 6:44 No. 3 watches "The War Lord" from the crew quarters, waiting for a good shot with his camera.
- 6:48 No. 1 asks No. 4 why he doesn't play the ukulele more. No. 1 sings and laughs while watching the movie. Then he says, "Shhh-Here's a big line," as the War Lord talks with a woman. In the scene they kiss, then there is a shot of many birds flying out of the nearby trees. No. 1 says: "He's got bad breath."
- 6:49 No. 4 goes to the wet room. He chats and works with No. 5. No. 3 is watching the film from the crew quarters, and he is also putting in some fresh film for his camera. No. 1 and No. 2 continue to watch the film in the bridge.
- 6:59 No. 5 goes to the bridge. No. 4 is working on the rebreathers. Then No. 4 also goes to the bridge.
- 7:03 No. 5 goes to the engine room viewport. Then he returns to the wet room and works. No. 1 says to No. 4, "I can't watch this film. I can only watch the guys in the command van watching the film. That silly topside engineer is eating it up. Do you want to make a bet about whether or not Charlston Heston will get to have the girl?"
- 7:08 No. 5 goes to the head.
- 7:13 No. 5 returns to the bridge, then goes to the crew quarters and washes his hands.
- 7:14 No. 5 gets some milk. The movie stops. No. 1, No. 2 and No. 4 have a discussion about the correct clothing to wear for their exit the next day. No. 3 goes to the bridge, and takes movies of No. 1, No. 2 and No. 4. There is some discussion with topside about sex, pornography, and base camp. No. 5 gets a Coke and drinks it.
- 7:21 "The War Lord" is now back on.
- 7:22 No. 2 goes to the crew quarters and lies on his bunk. He reads.
- 7:25 No. 1 screams, "I want a woman. I been sweating it out for 14 days and I want a woman!"
- 7:26 No. 1 calls No. 2 to watch "War Lord" with them. No. 5 is doing the dishes. No. 2 gets up.
- 7:27 No. 1 is filling out one of his habitability forms (the mood check list) out loud. No. 2 stands in the crew quarters.
- 7:28 No. 2 goes back to his bunk.

7:30 No. 5 snacks in the crew quarters and watches "The War Lord" at the same time.

7:31 No. 5 lies on his bunk.

7:39 No. 5 goes to the bridge. No. 2 gets off his bunk and goes to the refrigerator. He gets a Coke, then goes back to his bunk. No. 5 goes to the wet room, where he washes something in the well.

7:42 No. 5 returns to the crew quarters and washes his hands.

7:44 No. 5 watches "The War Lord" while standing up in the crew quarters.

7:48 No. 5 sits on a chair to watch.

7:54 There is some talk about the habitability forms by No. 1, No. 3 and No. 4 in the bridge.

7:55 No. 1: "All this bloomin' trouble over a short time of sex!" In "The War Lord", there is a huge battle going on between opposing armies. A three-story tank rolls in to try to overcome the besieged castle walls.

7:58 No. 5 is washing his hands again.

7:59 No. 2 goes to the bridge. No. 1 asks if he saw the imposing three-story tank.

8:00 No. 3 goes to the crew quarters. There No. 3 and No. 5 both watch the film while standing up.

8:05 No. 5 goes to the bridge. He watches from there.

8:06 No. 3 gets some food from the stove.

8:07 No. 4 goes to the freezer. He tries to figure out how to take the door off. No. 2 joins him and watches.

8:08 No. 4 goes to the wet room to get some tools.

8:09 No. 4 is back in the engine room.

8:10 No. 4 and No. 2 go back to the bridge. They watch the film briefly.

8:12 No. 4 asks, "Want to try it again No. 2?" No. 2 replies, "Yeah." No. 2 goes to the engine room. No. 4 stays in the bridge.

8:13 No. 2 comes back to the bridge.

- 8:14 No. 4 goes to the engine room, then to the head. The movie ends. No. 5 goes to the crew quarters.
- 8:15 No. 1 talks with topside about the choice of the next film. Then No. 1 and No. 2 chat in the bridge.
- 8:16 No. 4 comes out of the head. No. 2 goes to the engine room. They look again at the freezer door. No. 1 says, "I want my bloomin' ice cream, No. 4! Get that darn door off before I stab you with my sword." (He's still dressed in his Teutonic knight outfit.)
- 8:17 No. 1 asks, "If you get the door off does that mean that we have to eat everything before we come up?"
- 8:18 No. 2 and No. 4 go to the bridge, without getting the door off.
- 8:20 No. 1 asks topside what happened to the request that he made for Olympic sanction of the 27-min, 30-sec record he set for standing in the shower.
- 8:21 No. 4 takes some samples. No. 1 puts on the TV film of the world's deepest free dive.
- 8:23 No. 1 goes to the freezer, asking the others if they've eaten yet. The door is still locked, the key is broken in it.
- 8:24 No. 1 goes to the crew quarters. He opens the refrigerator. No. 2 also goes to the crew quarters. No. 1 snacks. No. 2 watches, holding a book. No. 3 watches the film now on the TV. No. 5 is writing. No. 4, the only one in the bridge, is watching the film also.
- 8:33 No. 3 goes to the bridge. No. 1 and No. 2 chat in the crew quarters.
- 8:35 No. 3 goes to the wet room and works. No. 1, No. 2 and No. 5 snack in the crew quarters.
- 8:41 No. 5 goes to the bridge.
- 8:43 No. 5 talks with No. 4 a bit in the bridge. No. 1 continues to chat with No. 2 in the crew quarters.
- 8:47 The film on the world's deepest free dive is over, the crew have been paying some attention to it, interrupted by moving around and by chatting. The reel continues, now with the story of "The Secret Well at Chicken Itza." No. 4 goes to the crew quarters and to the refrigerator. He gets some milk. No. 1 asks, "What are we going to do for 20 hours in the darn DDC?" No. 4 eats, and talks with No. 1. No. 1 describes an underwater center he's going to build.

8:55 No. 5 comes back to the crew quarters. No. 1 is telling No. 4 about how one of his topside support is coming for lunch tomorrow, after the isolation period is over. Because of the problem with the freezer door, people are having to make do with snacks for supper. No. 1 asks, "Where is this meal on the menu?"

8:58 No. 5 lies on his bunk.

8:59 No. 1 lies on his bunk.

9:03 No. 3 goes to the crew quarters. He watches TV there, and snacks.

9:05 The crew chat and watch the film a bit. No. 1 complains nothing is sacred in the world any more, as they watch divers pulling many ancient archaeological objects from the well at Chicken Itza.

9:07 No. 3 goes to the bridge. He watches from there.

9:11 No. 4 goes to the bridge. He also watches the show.

9:12 The film draws to a close. No. 3 goes back to the crew quarters and watches the end while standing with a coke in his hand. No. 5 is trimming his nails.

9:13 No. 4 gets things out of the drawers in the bridge. He leaves the lights off.

9:15 No. 4 goes to the crew quarters, then he goes back to the bridge.

9:16 No. 5 goes to the bridge. The reel ended with a very short clip from "Kraft Music Hall." No. 5 asks No. 4 if that was the end. They exchange some small talk. No. 3 goes to the bridge. He listens.

9:17 No. 4 suggests they watch the "Trail of the Feathered Serpent." No. 1 agrees to this idea.

9:18 They put the lights on in the bridge. No. 3 returns to the crew quarters and snacks. No. 4 works in the bridge, getting things ready to be sent topside. No. 5 goes to the head.

9:22 No. 5 is out of the head. No. 4 asks No. 1 to show him how to load the reel for the TV. No. 1 goes to the bridge and shows him.

9:24 No. 1 returns to the crew quarters. He turns the lights off there. The "Trail of the Feathered Serpent" is now on. No. 5 goes to the viewport in the engine room and watches the view of the outside for awhile.

9:25 No. 5 goes to the bridge. He chats with No. 4 as they watch the film.



9:26 No. 4 and No. 5 sit and talk about fish.

9:29 No. 5 goes to the crew quarters.

9:35 No. 5 returns to the bridge, and talks with No. 4 about publication of the results of the work done on Tektite. No. 4 works and chats. He is packing up things for the surface. All aquanauts are somewhat involved in the film.

10:01 No. 5 goes to the crew quarters.

10:12 The "Trail of the Feathered Sea Serpent" is over. No. 4 rewinds the reel. While doing so, he writes on a package and fixes it up for going to the surface. The lights remain off in the crew quarters. It is quiet in the crew quarters as well. No. 1, No. 2 and No. 5 have fallen asleep on their bunks. No. 3 goes to the head.

10:25 No. 4 starts playing the ukulele. He plays the "World is Waiting for The Sunrise." Then he sings some other ditties as well.

10:30 No. 3 comes out of the head, he goes to look again out the engine room viewport. Then he goes to the head again.

10:32 No. 3 goes to the bridge. He looks very clean and neat, spruced up for going topside tomorrow. No. 4 says, "My ukulele is going to get the bends tomorrow." No. 4 and No. 3 chat about the ukelele.

10:35 No. 3 goes to the crew quarters. He turns off the TV there. No. 4 continues to play the ukulele in the bridge. No. 3 snacks in the crew quarters.

10:38 No. 3 turns out the sink light. He goes to bed. No. 4 gets back to packing. No. 5 puts the light on in his bunk. He reads.

10:43 No. 5 puts his light out.

10:44 No. 4 goes to the head.

10:45 No. 4 goes to the engine room, then back to the bridge. He writes on the packages he has made.

10:52 No. 4 finishes packing. He cleans up the bridge.

10:53 No. 4 gets out his bed.

10:54 No. 4 puts the lights out.

10:56 No. 4 gets up again and goes to the wet room.

10:57 No. 4 goes back to bed.

11:03 No. 4 is up again. He puts the lights on. Then he puts them out again.

Our observations for the mission end here.